EXHIBIT 1

US FDA Clinical Data Summary of the Simon Nitinol Filter®

The following is a non-published summary of a non-randomized, prospective clinical study sponsored by NMT Medical, Inc. (Nitinol Medical Technologies, Inc.) of the Simon Nitinol Filter* for the prevention of recurrent pulmonary embolism. The purpose of the investigation was to confirm filter design and to develop safety and effectiveness data to support a 510(k) submission for approval by the United States Food & Drug Administration (FDA). This clinical investigation was conducted according to a written protocol and in comptiance with LIS Good Clinical Practices regulations. The Simon Nitinol Filter received FDA 510(k) approval in July 1989. All data referenced are on file at NMT Medical.

Abstract

From February 1988 through November 1990, 258 patients underwent percutaneous placement of the Simon Nitinol Filter in 23 clinical sites in the United States. Follow-up studies mandated clinical evaluation and abdominal radiography: US, MR, and CT were optional. The final clinical results in 180 patients (70%) who completed the 6-month follow-up are analyzed, and significant adverse events during and beyond the 6 month trial period are reported. The data obtained from the trial were analyzed to determine if they adequately demonstrated the safety and effectiveness of the device. The Simon Nitinol Filter demonstrated excellent safety and effectiveness characteristics in protecting at-risk patients from the potentially serious consequences of recurrent pulmonary embolism. The filter was successfully inserted percutaneously via the femoral, jugular or antecubital route in all patients. Symptomatic recurrent pulmonary embolism was demonstrated in 1.2% of patients, and additional asymptomatic emboli were documented in 0.8% of patients. Symptomatic vena caval occlusions occurred in 8.1% and asymptomatic caval occlusions in an additional 1.6% by MR imaging. Filter migration (0.8%) was low and all cases were asymptomatic. The SNF is efficacious and has low morbidity. Its small introducer, two-level filtering, multiple access sites and MRI compatibility are advantageous.

Introduction

A clinical study was performed to assess the safety and effectiveness of the Simon Nitinal Filter^s (SNF). The study enrolled 258 patients at risk of pulmonary embolism. Patients were enrolled at 23 clinical sites and the available data from these centers were compiled for purposes of evaluating the filter's safety and effectiveness.

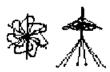
Each patient enrolled in the study was followed up immediately after filter insertion and at 3 and 6 months post implantation. The data that were collected for each patient included the following: preexisting conditions, previous treatment, primary and secondary indications, procedural difficulties, and complications (major misplacement, migration, occlusion, pulmonary embolism and death). In addition, major complications were reported to the sponsor as they occurred. The sponsor also contacted investigators by telephone to assure that all significant problems and complications were reported.

The data obtained from the trial were analyzed to determine if they adequately demonstrated the safety and effectiveness of the device.

Device Description

The Simon Nitinol Filter represents a new generation of venous interruption devices designed to prevent recurrent pulmonary embolism. It is primarily indicated for patients who cannot, for a variety of reasons, be treated with anticoagulants. The unique design and material of the Simon Nitinol Filter provide excellent filtering efficiency and allow percutaneous placement through a standard 7 French I.D. angiographic introducer with minimal entry site difficulties. The filter may be placed in the right or left femoral, jugular, subclavian or anticubital vein. The placement procedure is quick and simple to perform.

Compared to other filters, the SNF has the thermal shape-memory properties of nitmol, an alloy of nickel and titanium, that allow it to exist as a straightened set of wires when cooled within the storage tube or delivery catheter, and to transform into its predetermined filter shape when warmed to body temperature within the vena cava. The Simon Nitinol Filter has the advantages of a small (7 French I.D.) introducer size, two-level filtering, and MR imaging compatibility.



Clinical Investigation

This report of the clinical investigation includes the entire 258 patient study population. The parameters that were evaluated included occlusion characteristics, ease and success of insertion, prevention of recurrent pulmonary embolism, and incidence of migration and perforation as well as other adverse events.

Study Objectives

The objectives of the study included:

- To assess the ease of filter insertion and placement,
- b. To assess the security of filter anchorage as measured by lack of filter migration.
- c. To assess the clinical complications of the filter both during the insertion procedure and in the postinsertion period. Complications evaluated included such events as minor complications related to the insertion procedure and occlusion of the filter. Major events such as filter migration, perforation and recurrent pulmonary embolism were likewise evaluated.
- To assess clot-filtering effectiveness of the filter as measured by lack of recurrent pulmonary embolism.

The Simon Nitinol Filter is intended for use in the prevention of life-threatening pulmonary embolism or with a history of recurrent

pulmonary embolism. The filter was placed percutaneously in all cases. While concurrent anticoagulant therapy was utilized where indicated, this amounted to relatively few cases because of the study selection criteria.

Patient Selection and Exclusion Criteria

Patients were selected for this study if they presented with pulmonary embolism, or were at risk for pulmonary embolism from deep venous thrombosis, and anticoagulation was contraindicated, had proven ineffective in the past, or had produced complications. In some patients, the SNF was inserted prophylactically prior to major surgery. It was anticipated that many of the patients enrolled in the study would be in poor general health due to the underlying disorders necessitating insertion of the Simon Nitinol Filter. Male and female patients 18 years old and over were selected for inclusion in the study if they:

- Had experienced a pulmonary embolism and had a clear contraindication to standard anticoagulation treatment,
- 2. Continued to have recurrent pulmonary embolism despite anticoagulation treatment,
- Had massive pulmonary embolism requiring treatment with thrombolytic drugs or pulmonary embolectomy,
- 4. Were undergoing major surgery with high risk of pulmonary embolism (e.g., hip surgery, major neurological surgery),
- 5. Had deep venous thrombosis involving the pelvic veins or inferior vena cava and were considered at high risk of pulmonary embolism, or
- Had experienced pulmonary embolism and were likely to have recurrences because of chronic predisposing diseases such as congestive heart failure, pulmonary emphysema, paraplegia, chronic or recurrent deep venous thrombosis.

Individuals not suffering from any of the above were excluded from this study, along with:

- 1. Patients with a vena cava shown by venography to be greater than 28 mm in diameter (changed to 24mm after 2 migrations were reported),
- 2. Patients with acute submassive pulmonary embolism secondary to a transient problem (i.c., sports, injury), or
- Patients prone to leg edema and skin ulcerations.

Study Population

This report includes all 258 patients who received the Simon Nitinol Filter from February 1988 to November 1990. The data were derived from 23 clinical centers, and the number of patients reported from each center ranges from 1 to 33, with 11 centers contributing 10 or more patients each. Clinical trials were begun at the institutions after approval by their institutional review beards, and appropriate informed consent was obtained from all patients in which the SNF was placed.

Evaluation of Safety and Effectiveness Criteria for Filter Placements over Time

This section will discuss the various complications that have been noted with vena cava filters, in general, and analyze the significance of each. In doing so, complications that affect the safety or effectiveness of any type of vena cava filter are divided into two broad categories. The first category consists of operative complications that occur during the placement procedure. These usually are apparent at the time of the procedure or within 24 hours. The second category consists of postoperative complications. Clinically significant postoperative complications generally occur within one month of placement and almost always within three months (Epstein 1989).

Methods

Insertion procedure. The specific filter placement procedure including cooled saline infusion during the delivery, pre- and post-delivery vena cavography, and post-procedure radiography of the Simon nitinol filter have been described previously (1). Protocol requirements included clinical history and physical examination, recording of the filter insertion and pert-procedural details, and plain radiography of the filter post-procedure and again at 3 and 6 months. The 3 and 6 month clinical examination included history, physical examination of the lower extremities and puncture site, and plain radiography of the filter region. Chest radiography and ventilation perfusion lung scans were optional studies. US imaging of the puncture site and filter region, CT, MR, or digital-subtraction angiography were optional studies performed at the discretion of the principal investigators, generally in symptomatic patients. Laboratory tests of blood and urine for kidney and liver function, and blood clotting were performed. For patients who died during the course of the 6-month study or later, autopsy examination of the vena cava and filter was encouraged, but was not a protocol requirement.

Follow-up studies. Initial and delayed routine follow-up examinations were performed in order to screen for complications at the venipuncture site, such as hemorrhage and venous thrombosis; and at the filter delivery site, including migration, penetration of the vena cava, filter misplacement, tilting or crossing of the filter legs. Recurrent pulmonary embolism was identified by history and physical examination supplemented by nuclear ventilation/perfusion lung scans in suspected cases, according to standard clinical practice. Vena caval occlusion was diagnosed clinically; follow-up imaging by US, contrast-enhanced CT, MRI, or vena cavography was additionally performed in a number of these cases at the discretion of principal investigators. Laboratory tests were obtained to check for any untoward systemic effects of the nitinal material.

Minor complications such as misplacement or tilting were documented in the study records. Major complications were required to be reported to the study monitor within 3 days by telephone and within 10 days in writing. These included filter migrations, recurrent pulmonary embolism, IVC occlusions, and filter-related death. Such major complications were reported during and beyond the 6-month trial period.

Discussion of Safety and Effectiveness Data from the Simon Nitinol Filter Study

Summary

Preexisting conditions for the patients enrolled in the study included many forms of malignancies and cancer, vascular disease, major surgery, and other underlying conditions.

The overwhelming majority of patients (174 patients or 67%) were either in poor or fair health at the time of entry into the study with 16% of the patients having an advanced malignancy. The indications for filler insertion were reported for 245 of 258 and included: contraindication to anticoagulation—158 patients (65%), failure of anticoagulation—33 patients (14%), severe pulmonary hypertension—1 patient (0.4%), surgery—5 patients (2%), (rauma—0 patients (0%) and combinations of these 5 categories—48 (19%)

The insertion procedure for the filter was via the femoral approach for 234 (91%) patients, the jugular approach for 15 (6%) patients, and the antecubital approach for 1 (.3%) patient. There were 8 patients (3%) in whom the approach was not noted. Of the 77 patients who died, only one death was related to the filter.

Success of Insertion and Placement

Perforation of the IVC Wall

During the course of caudal migration the diverging legs of the Greenfield filter tend to spread further apart and perforate the vena cava wall (Cimochoski 1980). They may also penetrate adjacent structures such as the aorta, the ureter, or a vertebral body. This process appears to be slowly progressive over a period of months. A protective fibrous tissue sheath develops over the tips of the legs and hooks as a filter extends through the caval wall. Remarkably, perforation of the IVC usually is not associated with symptoms and consequently requires no treatment. The Gunther filter also has shown a high incidence of caudal migration but without further leg spread, since the legs are directed cranially. The Simon Nitinol Filter has shown no perforation of the IVC and minimal caudal migration, probably due to the dual anchoring points of the dome and the filter legs. Filters other than the SNF that have migrated appear to have done so early, prior to three months.

The rate of successful insertion for the Simon Nitinol Filter is 100%. This rate compares quite favorably with the rate of successful insertions for other similar devices, which range from 89 to 99%. There were 10 reports (4%) of difficulties with venipuncture, 18 procedures with reported difficulty advancing the device into the IVC (7%), and 37 reports of difficulty releasing the device into the IVC (14%). As stated, however, none of these difficulties was significant enough to cause a failure of insertion.

With respect to perforation of the vena cava wall and adjacent structures, there have been no reports of such an occurrence with the SNF. There were three (1%) reports of penetration, which is defined as encroachment of the filter legs or dome into the vena cava wall far enough to be visualized via venacavogram. As noted earlier, one of these reports was described as "tenting" and another was indicated as being uncertain. Yet a third report was noted by an investigator but was not substantiated through imaging studies. Penetration itself is not expected to have adverse affects; indeed, for most filters, hooks or barbs in the filter legs must engage the vena cava wall in order to secure the filter attachment.

There was one reported instance of major filter misplacement with the SNF.! This problem did not result in any patient safety concerns or in lessening of filter efficacy.

Major misplacement is defined as unintentional placement of the SNF somewhere other than in the intended location, which is in the IVC below the renal voin. Unintended placement in the iliac, hepatic,

Tilting of the filter within the vena cava was included in the investigators' report form simply because it reflects an efficacy criterion for certain other filters. Tilting does not, however, affect the efficiency of the Simon Nitinol Filter as long as the dome remains in contact with the vena cava wall throughout its circumference. There were 54 reports of filter tilting (21%).

Migration of the Device After Insertion

Filter Embolization

The Simon Nitinol Filter is initially secured in the IVC by the outward pressure of its expanding elements and by engagement of the terminal leg hooks with the vena cava wall. Within two weeks the SNF becomes further secured by the formation of a thin neoendothelium which grows over the wires wherever they contact the vein wall. Theoretically, embolization of a filter to the heart or lungs may occur at the time of delivery if its normal expansion is prevented by thrombus forming around it while still in its introducer sheath or if the caval diameter is excessively large. Delayed embolization also may occur within the first two weeks if a filter captures clot, the vena cava pressure rises, and the vena cava consequently becomes overdistended² (Greenfield 1977). After two weeks, the points of contact between the device and the vein wall become tightly bound by collagen, muscle fibers, and neoendothelium, and embolization of the filter becomes virtually impossible (Epstein 1989).

Embolization of the filter is a serious complication with variable clinical consequences, comparable to pulmonary thromboembolism. These range from being totally asymptomatic to sudden death. Therapy also ranges from nil to open chest surgery and removal of the device.

Local Filter Migration

It has been noted that vena cava filters may migrate a few centimeters toward the head or toward the feet during the weeks or months following their placement (Sidawy 1986; Miller 1986). This complication is largely dependent upon the specific filter design and reflects the susceptibility of the particular filter to hydrodynamic forces acting upon it. The direction of blood flow and elevated pressure in the vena cava below the filter after clot capture tend to push the filter craniad. Most filters are designed to resist this. A waterhammer effect in the upright position after clot capture, particularly during ambulation, tends to force the filter downward. This may be due principally to the design of those filters. The design of the SNF provides for a second anchor point at the mushroom cap which helps to resist any downward movement. These small migrations usually are clinically insignificant.

The Simon Nitinol Filter is designed to expand to the size of the vena cava and firmly attach to the wall in spite of blood flow or pressure. The ability of the device to remain in position can be assessed by the rate of migration of the filter. During the course of the study, only two instances of migration were noted (0.8%). In one of these cases, the filter was inserted less than two weeks prior to surgery in a patient, with a large vena cava. It is believed that as a result of surgery, the vena cava expanded slightly and the device migrated through the heart to the pulmonary artery. The patient was asymptomatic and experienced no adverse effects as a

renal vein, or right heart is major misplacement. Placement in the IVC below the renal vein but 1 cm or less too light or $2\,\mathrm{cm}$ or less too low is not major misplacement.

⁴ The vena cava also may overdistend without clot as a result of right heart failure or during surgical anesthesia involving positive pressure ventilation or abdominal manipulations.

result of the device's migration. Following this incident, labeling for the Simon Nitinol Filter was modified to state that, for filter placement less than two weeks prior to surgery, the maximum vena cava diameter is 24 mm rather than 28 mm as provided in all other situations.

Prevention of Recurrent Pulmonary Embolism

It is clinically recognized that the greatest risk of recurrent pulmonary embolism exists during the first few days or weeks after the development of deep venous thrombosis (DVT) or following the initial pulmonary embolic event. The fresh thrombus may still be undergoing active propagation, is relatively fragile, and is poorly attached to the vein wall. It is during this period that pieces break off most easily and migrate to the lungs. For this reason, anticoagulant therapy is instituted immediately or, if this therapy is contraindicated, a vena cava filter device is inserted on an emergency basis. Within the first few weeks the thrombi become more organized, less fragile, and more adherent so that the recurrence rate talls dramatically (Huisman 1989; Sabiston 1977). Thus, anticoagulant therapy may be discontinued after six weeks, though more commonly it is given for three to six months when the risk of recurrent pulmonary embolism (PE) is minimal. Only if there is an underlying disease that continues to predispose to new episodes of DVT or PE is prophylactic anticoagulant therapy continued for more than six months, possibly for life. Once a filter has been inserted it remains in place and offers protection permanently.

The declining rate of recurrent embolization also is reflected in the incidence of postoperative events. The reported incidence of recurrent pulmonary embolism following placement of a filter is very low, i.e., T-5% (Epstein 1989; Ricco 1988; Greenfield 1984). Where indicated in the literature, and as shown in the clinical studies for the Simon Nitinol Filter and similar filters, such recurrences almost always occur within the first three months, usually within one month (Epstein 1989). While recurrent emboli may have traversed the filter, they also may originate above the filter or even come from the upper limbs, neck, or right heart (McAuley 1984; Gelsinger 1984). Thus a small PE recurrence rate should be expected even with a theoretical perfect filter.

The intended use of the Simon Nitinol Filter is to prevent large clots from entering the lung and posing a serious threat to the life of a patient. Only emboli that pass through the inferior vena cava are trapped by the filter; it is not intended/designed to filter emboli from other parts of the body. Thus, a certain baseline rate of pulmonary embolism is expected despite filter placement, especially with the treatment of patients with recurrent PE.

There were five reported cases of recurrent pulmonary embolism during the study of the Simon Nitinol Filter, for a rate of 1.9%. Two cases were asymptomatic and three cases were symptomatic; all occurred within approximately one month of filter placement. The first patient, who had a history of polmonary embolism, had a filter placed on May 2, 1988 prior to neurosurgery. On June 3, 1988, the first symptoms of recurrent pulmonary embolism were noted, along with symptomatic occlusion. One month later, the patient's symptoms were resolving. The second patient, who had a primary CNS malignancy, had fatal symptomatic pulmonary embolism one week after filter placement. Upon autopsy, it was found that the filter was completely occluded. The third patient had a filter placed due to a recent PE. The patient had a brain tumor and had had a brain biopsy two weeks prior to filter placement. During filter placement, it was noted that a partial clot was present above the filter in the right ventricle. Within 36 hours of filter placement the patient had expired from a PE. The fourth patient had a filter placed due to deep vein thrombosis. Although the patient was

asymptomatic, pulmonary emboli were discovered during a routine lung scan two weeks after filter placement. When this patient was followed up two and four months later, no new emboli were found. The fifth patient had a history of pulmonary embolism. The filter was placed on 1/30/89, A routine V/Q scan performed on 3/13/89 demonstrated evidence of a new pulmonary embolus. No symptoms were reported. Of interest was a note on the operative report stating that the filter was placed too low.

Thus, the death rate related to recurrent pulmonary embolism was 0.8%, which compares very favorably with predicate devices. Overall, the Simon Nitinol Filter was shown to be very effective in trapping emboli and preventing embolization to the lungs.

Filter Occlusion

Any vena cava filter is designed to trap emboli in the IVC and thus prevent them from reaching the lung where they could prove fatal. Small or moderate sized emboli trapped in a filter are usually asymptomatic since the residual patency of the vena cava and the normal paravertebral collateral veins permit adequate venous return. A large trapped embolus or a cluster of small emboli may occlude a filter completely and thus block the vena cava. Even this may be asymptomatic if there is a generous network of collateral paravertebral veins. More typically, after a period of days or weeks following filter placement, the occlusion occurs and causes a sudden swelling of both lower limbs. The severity may range from mild swelling at the end of the day to severe swelling even at rest, probably depending upon the state of the collateral veins. In rare extreme cases, the collateral vessels also may be occluded, causing severe painful swelling of both lower limbs. In almost all cases the symptoms of IVC occlusion are transient and resolve almost completely within a few weeks or, possibly, a few months. Treatment is primarily leg elevation, the use of elastic stockings, and, if not contraindicated, use of anticoagulant or thrombolytic drugs. On rare occasions surgical thrombectomy may be required.

In these patients it often is clinically difficult or impossible to distinguish IVC occlusion from extension of the preexisting DVT, since the symptoms may be similar. Any preexisting DVT may be a particular problem because the patients often are unable to receive anticoagulant therapy. In the case of the Simon Nitinol Filter, which is nonferromagnetic, the cause can usually be distinguished by magnetic resonance imaging. In the literature reporting the incidence of occlusion with other filters, and in the results of the present clinical study, occlusions have virtually all occurred within three months of insertion of the filter, generally within two months (Epstein 1989; Greenfield 1984; Kanter 1988; Sfeir 1982). This is in accord with general understanding of the declining frequency of recurrence of pulmonary embolism.

It is probable that occlusions of the SNF are almost always the result of captured emboli, rather than thrombosis in situ, for a number of reasons:

- 1. The majority of SNF's do not develop thrombi or occlusions.
- 2. There is usually a delay of days or weeks before occlusions occur.
- 3. The location of thrombi in the SNF corresponds to sites of trapping rather than regions of maximal wire concentration.
- 4. Animal and in vitro experiments have shown low thrombogenicity of the nitinol material.

Thus, one can conclude that, for any vena cava filter, occlusion is an expected outcome in a small but significant fraction of patients who experience a major embolic event after filter placement (Simon 1989). It is not a complication in the usual sense of the word, but simply the filter fulfilling its intended purpose (Epstein 1989). In addition, the incidence of filter occlusion likely reflects, primarily, the rate of recurrent embolism in the particular patient population and, secondarily, the mechanical efficiency of the filter. Thus, an inefficient filter might have too low an occlusion rate and too high a pulmonary embolism rate. At the opposite extreme, a filter could have too high an occlusion rate if it could be too easily obstructed by small embolic particles that could be readily managed by the lungs (e.g., the Mobin-Uddin umbrella filter). Optimally, the filter should capture all clinically threatening pulmonary emboli above a critical size. If it is successful, an appropriate rate of IVC occlusion and lower limb venous obstruction is unavoidable.

Studies of vena cava filters typically report on filter occlusion as a complication of filter placement. It is clear, however, that filter occlusion also is indicative of a filter's ability to trap clots effectively and to prevent them from migrating to the lungs (Epstein 1989). Filter occlusion is self-limiting and often resolves spontaneously as the clot is broken down. In other cases, medication may be administered to help dissolve clots.

Of the twenty-five patients for whom filter occlusion was reported, four were asymptomatic and twenty-one were symptomatic. Two of the symptomatic patients also had RPE. In one of these two patients, a complete occlusion and swelling of both legs was observed. One month later, the swelling in one leg had resolved, while the other leg was phiebitic. The patient refused follow-up and was dropped from the study. In the second patient, the patient expired from a PE three days after filter placement. On autopsy, the cava was reported to be completely occluded with clot. Nine other patients with symptomatic occlusion had their symptoms resolved and completed six month follow-up. Five other patients with symptomatic occlusion died of the underlying disease before completing the study and five other patients were lost-to-followup. Of the four patients with asymptomatic occlusion, all completed six month follow-up.

The occlusion rate for the Simon Nitinol Filter appears to be slightly higher than the reported rates for certain other devices. As previously discussed, there is a trade-off between occlusion rates and rate of RPE, such that a lower rate of RPE may lead one to expect a higher rate of occlusion, due to more efficient trapping of clots by the filter. The higher rate may also reflect the underlying disease state(s) of our patient population.

Deaths

There were 77 patients who expired during the 6 month study period, In 69 (90%) of these patients, the cause of death was known. In 68 of these patients the death was related to the patient's underlying condition and in 1 additional case the death was associated with the device. In another 8 patients, the cause of death was not specified. The high death rate observed in this study was thought to be primarily related to the patients' poor health status upon entry into the study.

In the one death that was possibly related to the device, the patient had a recent brain biopsy two weeks prior to filter implant. The biopsy confirmed the presence of a brain tumor. The patient developed left lower extremity deep vein thrombosis and was recruited into the study. Filter placement was uneventful except for the fact that the patient had a circumzortic left renal vein and therefore filter placement was anatomically lower because of the caudal position of

the lowest renal vein. The filter was placed approximately 1 cm below the lowest renal vein. The patient had not previously had symptoms suggestive of a PE. Approximately 1 week after filter placement, the patient expired from a PE. On autopsy, there was a large PE in the main pulmonary artery. There was also inferior vena cava thrombus completely occluding the vena cava below the filter and extending past the filter by approximately 2 cm. This fresh inferior vena cava thrombus was anatomically separated from the lower extremity thrombus previously diagnosed. The embolus identified in the pulmonary artery was similar in structure and age to the fresh inferior vena cava thrombus.

Unfortunately, there were no imaging studies performed to confirm if the thrombus formation was new thrombus or an extension of the current thrombus. The investigator summized that extension of the fresh thrombus above the filter could be responsible for the acute PE. Therefore, in the absence of any definitive information relative to this thrombus, a conservative approach was taken to the classification of this PE as possibly related to the lack of the filter's efficiency.

Patient Status

One hundred and twenty patients completed the study, 77 (30%) patients died prior to completing the study and the remaining 60 (23%) patients did not complete the study. Of the 77 patients who expired, 63 (82%) expired early in the study (prior to the 3 month follow-up evaluation). At the 3 month evaluation, 194 patients were thought to be available for follow-up and at the 6 month evaluation, 180 patients were thought to be available. Completion of these two evaluations were 54% and 67% respectively. Of the 60 patients not completing the study, 2 were lost to follow-up, 2 were dropped from the study after refusing further follow-up, 55 did not come back for their final visit and the follow-up data for 1 patient was not recorded.

Discussion

The dome of the filter was noted to tilt less than 25 degrees especially in small venae cavae (1). Tilting is due to the circular dome geometry, which is more easily accommodated in the oval IVC diameter with a short axis less than the dome diameter. Such a mild degree of tilting has been shown in vitro not to affect filtering function since the size of the openings in the dome remain constant (8-9).

Significant proximal migration of Simon nitinol filters was observed in two cases, and each was discovered on routine plain film follow-up. Both patients were asymptomatic, and had no evidence of embolism by nuclear ventilation perfusion scans. One of these patients had an IVC diameter within the upper size range for the filter (28 mm, corrected for magnification) by vena cavography, and had major surgery with positive pressure ventilation, a recognized cause of IVC over-distension a day later (11). For this reason, the manufacturer's recommendation for maximum corrected IVC diameter was lowered for pre-operative cases from 28 mm to 24 mm. A second patient had post-operative placement after orthopedic surgery. In each case, the SNF migrated to the pulmonary artery. Migration probably occurs prior to 2 weeks after filter placement, before the progressive endothelialization develops at the IVC wall contact points and secures the filter hooks and legs (12).

The rates of subacute filter occlusion observed in this series are comparable with reported rates of other filter types (13). However, further comments are warranted in order to explain our observations on the distribution of the patients with symptomatic occlusion, and the four patients with asymptomatic occlusion. In the occlusion group, it is important to note that there was a significantly higher occlusion rate in the first 5 sequentially manufactured lots, compared with the subsequent lots used in the trial. The occlusion rate for lots #1-5 was 15.7%, (22/140), and the occlusion rate for the remaining lots #6-32 was 5.3% (7/133) (Fig.2). The possible explanations of this difference are speculative. Such a three-fold reduction in occlusion rate raises the possibility of a factor in the manufacturing process influencing filter occlusion. For instance, a suboptimum surface finish or material handling process during manufacture could have adversely affected the filter performance initially, and might have been eliminated by subsequent technical refinements (14). An improvement in the methodology of SNF surface treatment was indeed made (15). It is possible that the original surface finish of the SNF was associated with increased thrombogenicity (14). Alternatively, the difference could be related to a change in the patient population characteristics since the initial patients who received the first five lots were predominantly those with advanced malignancy, notably neurosurgical, or other terminal illness cases. Since too many of these sicker patients died before completing the trial, the investigators were requested not to use the filter for patients not expected to survive the follow-up period of at least 6 months. Subsequently, the patients enrolled may have represented a more general population of pulmonary embolism cases. It is our belief that the patient population is the major determinant of the filter occlusion rate, rather than the filter type or inherent thrombogenicity of the metal alloy. Sicker patients will have a higher occlusion rate, particularly if anticoagulant therapy cannot be used.

Conclusion

The study was designed to evaluate the safety and effectiveness of the Simon Nitinol Filter. The device was inserted in patients meeting the inclusion criteria for the study and representing a variety of ages and underlying conditions. The procedures were performed at a number of institutions representative of the settings where the filter is expected to be used. NMT attempted to obtain immediate follow-up for patients experiencing significant complications as well as to follow up patients 3 and 6 months post-implantation.

As an indiciation of safety and effectiveness, NMT evaluated procedural difficulties and complications, the success of insertion, filter migration, the rate of recurrent pulmonary embolism, and the rate of occlusion. Patient deaths also were tracked and, although the rate was high, only one was possibly due to the lack of filter efficacy. Overall, the data show that the Simon Nitinol Filter is safe and effective.

We recognize that published clinical trials of vena cava filters, including our own, do not meet strict scientific criteria since they are not randomized or comparative trials, involve different patient populations with many confounding clinical variables, employ limited and different imaging procedures due to added patient risk and cost, have different criteria for complications or adverse events, and may involve industrial interests for FDA requirements. Nevertheless, these data are presented as a particular prospective, multicenter clinical experience, recognizing these limitations. It is hoped that a truly randomized, prospective, independent, multicenter comparative clinical trial will eventually be undertaken.

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GLOSSARY OF TERMS

Major Misplacement is defined as the unintentional placement of a Filter not in the intended location immediately below the renal voins, for example, in an iliac, renal, or hepatic voin, or in the right heart. Placement in the IVC below the renal voins, but slightly too high or too low (e.g., 1 cm above or 2 cm below the intended level) is not considered a major misplacement.

Penetration is defined as incursion into the vena cava wall. In contrast, perforation is defined as penetration completely through the vena cava wall.

Migration is defined as any upward or downward movement of the Filter after its placement as documented by follow-up imaging.

Recurrent PE (RPE) is defined on the basis of new perfusion defects on lung scan, filling defects or obstruction, pulmonary arteriogram, or recent thromboembolism at autopsy.

Occlusion, by definition, is the state of being closed. The terms partial and complete occlusion have been used to describe IVC occlusion, either by an embolus captured in the filter or by thrombus propagated from below. Complete occlusions of the IVC are likely to be symptomatic. Occlusions are usually transient due to lysis of the thrombus within weeks or months, or less if thrombolytic drugs are used.

Confraindication to anticoagulation	158/245	64%
Failure of anticoagulation	33/245	13%
Severe pulmonary hypertension	1/245	0.4%
Surgery	5/245	2%
Trauma	0/245	0%
Combinations of the above	48/245	20%
Total reported indications	245/258	95%

	**************************************	887575000000000000000000000000000000000
Femoral	234/250	94%
Jugular	15/250	6%
Antecubital	1/250	0.4%
Total reported indications	250/258	97%

Technical success	258/258	100%
Recurrent PE	5/258	1.9%
Symptomatic	3/258	1.2%
Asymptomatic	2/258	0.8%
Death due to recurrent PE [†]	2/258	0.8%
Migration	2/258	0.8%
Filter Occlusion	25/258	9.7%
Symptomatic	21/258	8.1%
Asymptomatic	4/258	1.6%

¹ The two deaths represent two of the three symptomatic recurrent PE cases reported here.

SNF Filter Occlusions

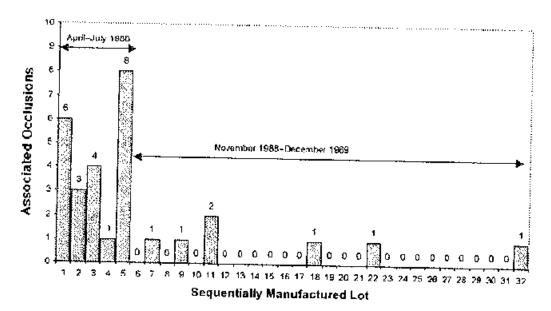


EXHIBIT 2

```
Page 1
             SUPERIOR COURT OF CALIFORNIA
   COUNTY OF SAN DIEGO, EAST COUNTY REGIONAL CENTER
MARY GIORDANO, individually and
on Behalf of the Estate of
Jacqueline Keith and other
qualified survivors,
            Plaintiffs,
                                 ) Case No.
                                  ) 37-2011-00069363-CU-PO-EC
      VS.
C.R. BARD, INC., a corporation,
BARD PERIPHERAL VASCULAR, INC.,
a corporation, THOMAS BRANNIGAN,
M.D., an individual, FRANKLIN
KALMAR, M.D., an individual,
JULIE LAIDIG, M.D., an
individual, SHARP GROSSMONT
HOSPITAL, a corporation,
SHARP HEALTHCARE, a corporation,
and DOES 1 through 100 inclusive, )
            Defendants.
                    February 5, 2014
        Videotaped Deposition of JOHN McDERMOTT, held at
100 Bayview Circle, Suite 5600, Newport Beach,
California, commencing at 10:04 a.m., on the above date,
before Kimberly S. Thrall, a Registered Professional
Reporter and Certified Shorthand Reporter.
               Golkow Technologies, Inc.
           877.370.3377 ph | 917.591.5672 fax
                    deps@golkow.com
```

```
Page 83
 1
     counsel, back on the record. The time is approximately
 2.
     11:28 a.m.
              (McDermott Exhibit 2 was marked.)
 3
 4
             MR. LOPEZ: Okay. We'll start marking some
 5
     documents. Let me find my chart. Okay. Exhibit 2.
     Exhibit 2 I'm handing to the witness.
 6
 7
             Richard, do you want a copy?
 8
             MR. NORTH: Yes, I would. Thank you.
9
             MR. LOPEZ: It's -- the title of the document
    is "Product Performance Specification Recovery Filter
10
11
    and Femoral Delivery System." It has a Bates number at
12
    the bottom, which I'm not -- not going to read, just
13
    waste time. And then last page there's a date. It says
14
    11/03.
15
    BY MR. LOPEZ:
16
        Q. And my first question to you is whether or not
17
    you're familiar -- just generally familiar with a
18
    document like this while you were at Bard?
19
        A. Yes.
20
            Okay. And can you describe for a jury what
        0.
21
    this document -- not -- not the content, but just
    generally what this document is -- is meant to address?
22
23
        A. Yeah. It's -- it's called a product
24
    performance specification, and it's designed to outline
    the specifications for the product.
25
```

```
Page 84
        Q. All right. And this is an internal
1
    Bard-produced document, correct?
2
3
        A. Yes.
        O. And would you have been involved with --
4
5
    somehow with either the review or the contribution to
6
    the material -- the material that is found in this
7
    document?
8
        A. Generally, no, I wouldn't be directly involved
9
    with the preparation of this document.
10
        Q. I mean, it's a 20-some page -- in fact --
11
        A. Seven.
12
        Q. -- it says 1 of 27.
13
       A. Uh-huh.
14
        Q. I mean, it's a -- a document that I would
    assume that a lot of people contribute to throughout the
15
    company, right?
16
17
        A. Yeah.
18
        Q. You have regulatory --
19
        A. Yes.
20
        Q. -- probably quality, the engineers?
21
        A.
            R&D. This is a lot of technical detail
22
    components, all kinds of little things to make the
23
    product.
24
        Q. All right. And then as we go through here,
25
    you'll see that there are different, you know, sections
```

```
Page 85
    and subsections starting with product identification.
1
2
             Do you see that?
3
        A. Yes.
        Q. As we go through it, it talks about the -- if
4
5
    you look at page 3, it's industry and regulatory
6
    reference, industry documents and standards. That means
    that's -- those are the -- what the company is required
7
8
    to follow with respect to this particular product,
9
    correct?
        A. Yes. I believe that's what -- that'd be my
10
11
    understanding.
12
        Q. All right. But --
        A. Right. Again, I don't build these, but I'm --
13
14
        O. I understand.
        A. — generally familiar with it.
15
16
            And we've generally talked about federal
        Q.
17
    regulations, and I mentioned the Code of Federal
18
    Regulations. If you look at page 4, it has the CFR 21
    Part 820 with respect to quality system regulations.
19
20
             Do you see that?
21
        A. Yes.
22
            And then it has -- the next section says
        Q.
23
    "Premarket Notification 510(k)." In other words, these
24
    are things that the company knows that as they are
    dealing with this particular product, that these are the
25
```

```
Page 86
    things that are supposed to guide them through the
1
2
    process to make sure they're -- they're doing things the
3
    way they're supposed to be doing them, right?
4
        A. Yes.
5
        Q. And then there's a section on clinical terms.
6
    And if you look at page 5 of 5, it has "Intended Use."
7
             Do you see that?
8
       A. Yes.
9
             MR. LOPEZ: Jim -- Jim, how can I turn this on?
    Okay.
10
11
    BY MR. LOPEZ:
12
        O. And then the intended use for the Recovery
    filter was indicated for use in the prevention of
13
14
    recurrent pulmonary embolism via permanent or temporary
15
    placement in the vena cava. I'm going to start saying
16
    that word right from now on, at least the way the
17
    Americans say it.
18
             Did I read that correctly?
        A. Which word? Vena?
19
20
        Q. Vena cava. I've been saying cava for a year.
21
        A.
            Oh, yeah. Cava. Yeah.
22
             MR. NORTH: That's the Italian --
23
    BY MR. LOPEZ:
24
        Q. So that was the intended use of the product?
25
        A. Yes.
```

```
Page 87
            According to this document?
1
        Q.
2
        A.
            According to this, yes.
3
        Q.
            This official Bard document, by the way, right?
            Yeah. It looks like -- it's got the Bard logo
4
        A.
5
    on it, yeah.
6
        Q. "User Needs. The user requires a permanent or
7
    temporary filter that can be safely and accurately
8
    placed using a femoral vein approach inside the inferior
9
    vena cava vein as a preventative measure to patients at
    the risk of pulmonary embolism."
10
11
             Did I read that correctly?
12
        A. Yes.
13
        Q. Okay. And then --
14
             MR. LOPEZ: You can go to full screen.
15
    BY MR. LOPEZ:
16
        Q. We're not going to go through this document.
17
    It would take another hour. But -- but anyway, it deals
18
    with just about every aspect of this particular product,
    would you agree with me, where it's going to be used
19
20
    and -- like, for example --
21
        A. "Clinical Terms."
        Q. -- if we look at page -- page 13 of 27, there's
22
23
    an issue there -- I mean, a section, "Design Input,"
24
    Other Physical Characteristics." Then you go down to
    6.2.1 at the bottom --
25
```

```
Page 88
1
             MR. LOPEZ: Can you put him up top? Yeah.
2
    Thank you.
3
    BY MR. LOPEZ:
        O. -- the Recovery filter under "Design
4
5
    Characteristics, " "Filter Clot Capturing Ability,"
6
    right?
7
        A. Yes.
8
        Q. And the user requirement is -- the user would
9
    be the doc- -- the doctor or -- yeah, I guess it could
    be the patient too?
10
11
        A. User is usually thought of as the physician
12
    implanting the device. He's the one using it.
        Q. The "filter must trap blood clots."
13
14
            Do you see that?
15
        A. Yes.
            And do you see here, it says, "Recovery filter
16
        Q.
17
    clot capturing ability must be equivalent or better than
18
    the Greenfield filter"?
             There's no equivocation there about that, is
19
20
    there?
21
        A.
            That's what it says.
            Okay. And -- and that would be true if we were
22
        Q.
23
    to substitute Simon Nitinol filter for Greenfield
24
    filter?
25
             MR. NORTH: Objection to the form.
```

```
Page 89
1
    BY MR. LOPEZ:
2
        O. Wouldn't you agree with that?
3
        A. It would be true -- what do you mean?
        Q. In other words, that the Recovery filter clot
4
5
    capturing ability must be equivalent or better than the
    Simon Nitinol filter, wouldn't you agree with that, even
6
7
    though it's not in this document?
8
        A. Oh, you're asking me if I agree --
9
        Q. Yeah.
10
        A. -- with that kind of conceptually outside --
11
        Q. Right. Right.
12
        A. -- of the document?
13
       Q. Right.
14
        A.
           Well, I would -- I would default to the
15
    document.
16
        Q. Okay. All right. Let's look at -- do you
17
    see --
18
        A.
            I don't recall why they chose Greenfield.
    Maybe because it was market leader. I don't remember,
19
20
    but --
21
        0.
            Well, the Greenfield was the predicate device
    to the Recovery --
22
23
        A. Okay.
24
        Q. -- I mean, to the Simon Nitinol filter, right?
25
        A. Okay. I -- I guess so. I don't --
```

```
Page 90
            So the -- okay. So the Simon --
1
        Q.
2
        A.
            Simon Nitinol was before me.
            So the Simon Nitinol -- if the Greenfield
3
        O.
    filter was the predicate device to the Simon Nitinol
4
    filter, then the Simon Nitinol filter under a 510(k)
5
6
    approval process would have to be at least as good or
7
    better than the Greenfield filter, right? Well, let
8
    me -- let me withdraw that.
9
             I'll represent to you that both the Greenfield
    filter and the Re- -- and the Simon Nitinol filter were
10
11
    predicate devices. All right?
12
        A. Okay.
        Q. And that the representation here that the
13
14
    Recovery filter clot capturing ability must be
15
    equivalent or better than the Greenfield filter, do you
16
    know, without respect to this document, whether or not
17
    that statement would or should apply to the Re- -- to
18
    the Simon Nitinol filter as well as to the Greenfield
19
    filter? If you don't know, I'll move on to the next
20
    question.
21
        A. I don't.
22
        Q. All right. Let's go to the next page.
23
             MR. LOPEZ: And you can move him down now,
24
    please.
    BY MR. LOPEZ:
25
```

```
Page 91
        Q. And, again, this is page 14 of 17. And this is
1
2
    a continuation of what we just read, and this is the
3
    user requirement.
            Do you see where I am -- see where I have those
4
5
    hashmarks?
6
        A. Yes.
       Q. "Filter must not migrate."
7
8
            Do you see that?
9
       A. Yes.
        Q. "Filter migration resistance. Filter hook
10
11
    strength. Filter must not migrate."
12
            Do you see that?
13
       A. Yes.
14
      Q. "Filter must not perforate the vessel."
15
            Do you see that? This one here.
16
       A. Oh, yeah. Yeah, 6 --
17
        Q.
            And by the way, user requirement means that
18
    these are the expectations --
       A. Yeah. This is what --
19
20
        Q. -- of the doctors?
21
        A.
            This is what the doctors and the patients --
22
    this is what we all want.
23
        Q. No. This is what they -- their -- their
24
    expectations are, right?
25
            MR. NORTH: Objection to the form. No
```

```
Page 92
    foundation.
1
2
    BY MR. LOPEZ:
3
             Well, does user requirement mean that's what
        Q.
    the doctors expect and want?
4
5
        A.
             That's the requirement that has been
6
    established for the design input.
7
             Next, "Filter sleeve, arms and legs must not
        Q.
8
    separate during the lifetime of the device."
9
             Does that mean it -- they shouldn't break?
10
        A. Or come apart.
11
            Or come apart, right?
        Q.
12
             Skip the next one 'cause -- but we -- it's
    there for the jury to read if they'd like to.
13
14
             And then here, "Filter fatigue resistance. The
15
    filter must not fracture as a result of corrosives,
16
    cyclic stresses within the body."
17
             Do you see that?
18
        A. I see it.
19
        Ο.
            Now, it came to pass that --
20
             MR. LOPEZ: You can turn the screen off.
2.1
     BY MR. LOPEZ:
22
              -- that once the company started doing some
         0.
23
     reviews and comparisons between the Recovery filter and
24
     other competitive devices, that the Recovery filter did
     migrate at a higher frequency than competitive products,
25
```

```
Page 142
 1
             MR. LOPEZ: We can't do this all day, Richard.
 2
              THE WITNESS: I don't know what -- I'm really
     trying hard here to --
 4
             MR. NORTH: He's asking you to clarify the
 5
     question --
 6
              THE WITNESS: Yeah. I just want to make sure
 7
     I --
 8
             MR. NORTH: -- and you're interrupting him --
 9
             MR. LOPEZ: No. He's asking me --
10
             MR. NORTH: -- and you're the one prolonging
11
    it.
12
             MR. LOPEZ: He's asking me to change a
13
    question. I'm not going to do it.
14
              THE WITNESS: I'm not ask- -- I didn't ask you
     to change a question. I was just making sure I
15
16
    understood it right, so I was repeating it.
17
              (The following record was read by the reporter:
18
                       My question is whether or not
             doctors would want to know the information you
19
             have, the data that you have in comparing the
20
21
             performance of your device to other devices
22
             from the point of efficacy and safety?")
23
    BY MR. LOPEZ:
24
        Q.
             Can you answer that yes or no?
25
             MR. NORTH: Objection. Asked and answered.
```

```
Page 143
             THE WITNESS: Yes, doctors would want to
1
2
    know --
3
             MR. LOPEZ: Thank you.
             THE WITNESS: -- the comparison. However, we
4
5
    don't have comparisons 'cause we don't have comparative
6
    clinical data, so we have to rely on the literature.
7
             MR. LOPEZ: Move -- move to strike.
8
    BY MR. LOPEZ:
9
        Q.
            You know that doctors that are using products
10
    want to know whatever information exists when a company
11
    is looking at its adverse events and whether or not that
12
    product at least appears to be more dangerous than other
    available therapeutic choices that a doctor has? You
13
14
    know that?
15
             MR. NORTH: Objection to the form.
16
             THE WITNESS: I know that they want to see
17
    information about adverse events.
18
    BY MR. LOPEZ:
        Q. Right. No. What I just asked you. They want
19
20
    to know about comparatives, you know, trending and risk
21
    analysis that the company's done based on whatever data
22
    that the company has?
23
             MR. NORTH: Objection to the form.
24
             THE WITNESS: Yeah. I -- I -- I can't disagree
    with that. They would want to know anything and
25
```

Page 144 1 everything. 2 BY MR. LOPEZ: 3 Ο. Okay. And you know that some doctors, they 4 only have to hear about one death from a product, 5 whether it be in a case report, whether it be 6 discussions at a meeting, one that could cause them to say I'm not going to use this product anymore until I 7 find out more about it and determine whether or not this 8 9 is an aberration or whether or not this device is prone 10 to migrate and cause death or to fracture or to have 11 other complications that maybe other products don't 12 have. You know that? 13 MR. NORTH: Objection to the form. 14 THE WITNESS: I give doctors more credit than 15 that. 16 MR. LOPEZ: Well, let me -- let me -- let's 17 make it easier on both of us. Let's see what real doctors really -- how real doctors really react and what 18 19 real doctors really want to know and what's important to 20 real doctors. Okay? 2.1 (McDermott Exhibit 6 was marked.) 22 BY MR. LOPEZ: 23 Exhibit No. 6, have you ever seen this document 0. 24 before? A. I don't know. 25

```
Page 152
 1
             MR. NORTH: Objection. Assumes facts not in
 2
     evidence.
     BY MR. LOPEZ:
 3
        O. Do you see that?
 5
         Α.
            I see it.
             Now, let's look at the next one. "Stopped
 6
         0.
 7
     using, concerned about reported incidents." He didn't
     say anything about a clinical trial or risk/benefit.
 8
 9
             He just -- this doctor is being reported --
10
     another doctor from Missouri is saying he's not going to
    use this product anymore because of reported incidents,
11
12
     right?
13
             MR. NORTH: Objection to the form.
14
             THE WITNESS: That's what this says.
15
    BY MR. LOPEZ:
16
        Q. And -- and as a -- a person in the medical
    device field, you know reported incidents is what you
17
18
    would see on a MAUDE database?
             MR. NORTH: Objection to the form.
19
20
    BY MR. LOPEZ:
            The reported incidents are on a MAUDE database?
21
        Q.
22
        A. Yes.
23
            Yeah. Now, I don't know what this is, but
        Q.
    I'm -- I'm -- I'd like to find out. Maybe you can help
24
25
    me. I'm going to ask you.
```

```
Page 153
             One -- "One of first physicians to receive"
1
2
    blank "memo."
3
             Do you know what blank memo is?
        A. I don't.
4
5
        O. I'd like to find out why that's -- "But has not
6
    used since." He got some memo, and because of that
7
    memo, this doctor stopped using the Recovery.
8
        A. Yeah. I don't know --
9
             MR. NORTH: Objection to the form.
10
             THE WITNESS: I don't know what that -- what
11
    that refers to.
12
    BY MR. LOPEZ:
13
        Q. Okay. Let's go to the next page. A doctor
14
    from Tennessee, $200,000 annual volume doctor. I'm
15
    sorry. Texas. 200,000. "Heard of," blank, "migration"
16
    and won't use." Just heard about a migration, and that
17
    influenced the doctor to not use the product.
18
             You would agree with me?
19
             MR. NORTH: Objection to the form.
20
             THE WITNESS: That's what it says.
21
    BY MR. LOPEZ:
22
        Q. I mean, isn't this telling you what's important
23
    to doctors as to whether or not they want to use or not
24
    use or whether or not the risk/benefit is good for them
25
    or not good for them?
```

```
Page 154
             MR. NORTH: Objection to the form. No
1
2
    foundation.
3
             THE WITNESS: What it tells me is that the
    information is important to their decision-making.
4
    BY MR. LOPEZ:
 5
        O. Yeah. One -- this guy heard of a migration and
7
    he's -- and he -- just because he heard of it, he won't
    use it.
8
9
             MR. NORTH: Objection to the form.
10
    BY MR. LOPEZ:
        O. I mean, we're -- we're getting into the minds
11
12
    of -- of real doctors that are using your product,
    aren't we, as we go through this --
13
14
             MR. NORTH: Objection to the form.
    BY MR. LOPEZ:
15
16
        Q. -- as to what's important to them as to whether
17
    or not they want to put their patients at risk of using
    one of your products? Isn't that what this is about?
18
19
             MR. NORTH: Objection to the form. No
    foundation.
20
2.1
             THE WITNESS: Is that a question?
22
    BY MR. LOPEZ:
        O. Yeah. Isn't that what this is about?
23
             MR. NORTH: Objection to the form.
24
             THE WITNESS: That's what what is about? This
25
```

```
Page 166
    to" -- "the use of the product."
        A. I see --
 2.
        Q. Right here.
        A. -- where you're showing, yeah.
 5
        O. All right. I mean, this -- this is a doctor
 6
    because of a migration issue with your product stopped
 7
    using it.
 8
             MR. NORTH: Objection to the form.
9
    BY MR. LOPEZ:
        Q. Don't you think that a doctor like that, before
10
11
    he had any of those experiences would want to know about
12
    the experiences that other doctors were having prior to
    him having those experiences?
13
             MR. NORTH: Objection to the form.
14
             THE WITNESS: Well, you're assuming he's
15
16
    never --
17
    BY MR. LOPEZ:
18
        Q. Wouldn't you -- wouldn't he want to know that?
    I'm -- it doesn't matter -- I may be wrong about whether
19
    he knew or didn't know.
20
21
             Don't you think that doctors like this would
    want to know that information?
22
23
             MR. NORTH: Objection.
24
            THE WITNESS: Yes.
   BY MR. LOPEZ:
25
```

```
Page 167
        Q. Okay. Here's a -- here -- here now let's go
1
2
    back to Austin, Texas, a $200,000 account. ("Heard of")
    blank, "migration and won't use."
3
             Just heard of a migration and is not going to
4
5
    use it.
6
             MR. NORTH: Objection to the form.
7
    BY MR. LOPEZ:
8
        Q. Isn't that what this tells us?
9
        A. That's what this says.
        Q. Here's an- -- here's someone else that -- an
10
11
    account from Nevada. Maybe that's our doctor,
12
    Dr. Phillips -- Mr. Phillips's doctor. "Account has
    stopped using due to several reported complications."
13
14
             Okay. Here's someone in California. Do you
    see where I am? A hundred thousand dollar account.
15
16
    "Has stopped using due to several reported
17
    complications." And then right above, "Stopped using
18
    due to the migration deaths."
             Do you see that?
19
20
             MR. NORTH: Objection to the form.
21
             THE WITNESS: I do.
22
    BY MR. LOPEZ:
23
        Q. I mean, doesn't that tell you that doctors want
24
    to know about whether or not you have a device that's
    causing more migration deaths than any other device on
25
```

```
Page 168
    the market?
1
2
             MR. NORTH: Objection.
3
    BY MR. LOPEZ:
             Don't you think all of these doctors would want
4
        Q.
5
    to know that?
6
            It sounds like they do know it --
        A.
7
        Q. No. But don't you --
8
            -- and they're choosing to --
        A.
9
            I'm not asking -- you see, we're debating
        Q.
10
    again. You're not -- you're not playing by the rules.
11
             Don't you think every doctor in America would
12
    want to know that you are having migration deaths
    greater than every other device on the market?
13
14
             MR. NORTH: Objection to the form. This is
    inappropriate questioning.
It's a closing argument.
15
16
             MR. LOPEZ: What?
17
             THE WITNESS: I'm agreeing with you that
    doctors want access to as much information as possible.
18
19
     BY MR. LOPEZ:
20
             But they want to -- okay. Exactly. If -- and
         0.
2.1
     if the company has evidence that they're having
22
     migration deaths, almost one a month, during the -- the
     first and second year that a product's on the market
23
24
     many times greater than any other device on the market,
     don't you think doctors would want to know that?
25
```

```
Page 190
     NEWPORT BEACH, CALIFORNIA, WEDNESDAY, FEBRUARY 5, 2014
 1
 2.
                           2:11 P.M.
 3
             THE VIDEOGRAPHER: With the approval of
 5
    counsel, back on the record. The time is approximately
     2:11 p.m.
 6
 7
             (McDermott Exhibit 7 was marked.)
 8
 9
                     EXAMINATION (RESUMED)
10
    BY MR. LOPEZ:
11
        O. Okay. I marked an exhibit, Exhibit 7, and I'll
12
    describe it, and I'll it put up on the screen. It has a
    cover e-mail dated June 23, 2008.
13
14
             I know you weren't there at that -- by then,
15
    right?
16
        A. Yeah. I was gone.
17
        Q. And you're not a recipient. I'll -- I'll
18
    acknowledge that. And it's a -- the subject matter is
    "Platinum DIS Discussion."
19
20
             Do you have any idea what that means, platinum
21
    DIS discussion?
22
        A. I am thinking it's another generation filter,
23
    but I don't know that for sure.
24
        Q. Okay. I'm going to draw your attention to --
        A. Excuse me.
25
```

```
Page 191
        Q. Because we -- we had just talked about this
1
2
    before the break about focus groups and, you know,
3
    consultants -- consulting with var- -- and by the way,
    have you seen this recently as part of your preparation
4
5
    to help refresh your recollection of this document?
6
        A.
            No.
7
        Q. So we have a -- well, let me show you the
8
    document first. That's just the cover e-mail. It's
9
    entitled "G3 Vena Cava Design Input Summary." Do you
10
    see that?
             I think the G3 was a -- a project going on
11
12
    after you left. Is that right, G3? It may have
13
    started --
14
        A. I think so.
15
        Q. It may have started --
16
        A. Yeah. It -- it's possible that it was started,
17
    but it was definitely subsequent to my --
18
        Q.
            And then it has a section called "Project"
    Background Information." And then it has a summary of
19
20
    design input. And then -- let's go to page 4 of 17.
21
             MR. LOPEZ: Can you move the witness to the
22
    top, Jim, please?
23
    BY MR. LOPEZ:
24
        Q. It says "Multidisciplinary Panel." And then it
25
    gives a date here. The reason I'm using it, 'cause it'
```

```
Page 192
    does reference the time period you were there. It says,
1
2
    "BPV convened a multidisciplinary panel of physicians
3
    with a specific expertise and/or interest in
    thromboembolic disease and IVC filters to discuss filter
4
5
    complications. The panel discussed many issues
6
    including expected and threshold rates of various filter
7
    complications and possible causes for filter problems."
8
             So we've used this word "expected." I'm not
9
    sure we've used "threshold rates" yet. But do you see
    where I read that?
10
11
        A. Yes.
12
            It's talking about a multidisciplinary panel in
        O.
13
    June of 2004. Do you see that?
14
        A. Yes.
            And we talked about something that happened in
15
        Q.
16
    Chicago in 2006.
17
             Does this refresh your recollection that there
18
    was a panel that was put together in -- in June of 2004
19
    as well?
20
        A. Yeah. I remember a -- a meeting. I thought it
    was in Chicago, but I -- I don't -- I'm not exactly
21
22
    sure. I don't -- I don't remember something in 2004.
23
    The -- I'm -- it's -- clearly it's happened here, but I
24
    can't remember. I don't think they're the same things.
    Huh? You guys have studied the record. I --
25
```

```
Page 193
             I don't know. I -- there's a lot of documents.
1
        Q.
2
        A.
             Yeah.
3
        Q.
            With regard --
            Multidisciplinary leads me to think it's that
4
        A.
5
    same session, but I -- I -- I can't remember.
6
             Well, when it says "multidisciplinary," they're
        0.
7
    talking about different types of doctors or --
8
            Yeah. You have different --
        A.
9
        Q. -- scientists?
            Right. Some have guys that may special -- see
10
        A.
11
    more bariatric patients, some trauma surgeons see trauma
12
    patients, and, you know, the idea there is you have
    different physicians with different levels of expertise
13
14
    around different patients that have PE risks.
15
             Right. Okay. So then it -- "With regard to
        Q.
16
    filter migration, the panel's perspective was the
17
    following." Bullet point. "It should occur less than
    1 percent of the time. "Right? "And" -- is that what
18
19
    it says there?
20
        A. Yeah. That's what it says.
21
        Q. "And for prophylactic filter placement,
22
    migration of the heart should virtually never happen."
23
    Virtually never.
24
             And we know that that never happened, at least
25
    in the -- with the documentation you have, about the
```

```
Page 194
    Simon Nitinol filter, true?
1
2
             MR. NORTH: Objection to the form.
3
    BY MR. LOPEZ:
        Q. That we've seen. Just that one summary. And I
4
5
    mean, I've -- I've got documents that -- documents I can
6
    show you, but at least we know in a summary that was
7
    done in March of 2004, it said -- stated other devices
8
    had migrations except for the Simon Nitinol filter?
9
        A. Of what was reported, yeah.
        Q. "The rate should be less than one in a
10
11
    thousand." Right?
12
            That's what this says.
        A.
        Q. Okay. Now, here -- here's a -- an important --
13
14
             MR. LOPEZ: Could you move the witness down to
15
    the -- yeah.
16
    BY MR. LOPEZ:
17
        Q. And as part of that same bullet point, this
18
    focus group, these multidisciplinary experts said,
    "Migration should not be different for retrievable
19
20
    filters than for permanent filters."
             I mean, I just want to make sure that we're
21
    clear. There's been a lot of discussion about that
22
23
    earlier today and with other witnesses. I mean, the --
24
    the bottom line point here, at least with respect to
    whoever you were consulting in 2004, that migration
25
```

```
Page 195
    should not be different for retrievable filters than for
1
2
    permanent filters. Did I -- should not, right?
3
            That's what it says, yeah.
        A.
        Q. I mean, it doesn't leave --
4
5
        A.
            Yeah.
6
            -- any room for, you know, any con- -- con- --
        O.
    discussion or wiggle room that migrations can be a
7
8
    little worse with retrievable devices than with
9
    permanent devices?
        A. That's what -- that's what this says.
10
11
    Certainly, that's the ideal situation, and there's no
12
    deb- -- no disputing that. That's what you would
    definitely shoot for.
13
14
             And then, "It should be noted, however, that
         0.
    this discussions was mainly" --
15
16
             DIGITAL VOICE: Ben Cramer has arrived.
     BY MR. LOPEZ:
17
18
              "It should be noted, however, that this
19
    discussion was mainly about proximal or cranial
20
    migration."
              That means towards the heart?
2.1
22
        A.
            Yes. Up, yes.
23
             And then it says, "For caval perforations, the
         Ο.
    panel believed that symptomatic perforations should be
24
     less than 1 percent and the rate of asymptomatic
25
```

```
Page 196
    perforations does not matter."
 1
 2
              That's the panel. I'm -- I'm -- that's what
 3
     the panel said?
         Α.
              That's what this document says the panel said.
 5
         Ο.
             And, by the way, the panel is -- is giving
 6
     input -- like you said earlier, you know, you said we
 7
     went out and got input and advice from clinicians. And
     this is part of that?
 8
 9
         Α.
                     I'm assuming that's -- I mean, I'm just
10
     looking at this report. I don't know which doctors were
     there, but that's -- yeah, that's what it says.
11
12
        O. All right. "In summary, the multidisciplinary
    panel felt the following about general filter
13
14
    performance."
15
             Do you see where I am? I just underlined that.
16
        A.
             Yes.
17
             "A retrievable filter is expected to perform
        0.
18
    just as well as a permanent filter." Right?
19
        A.
             That's what it says.
20
        0.
            And, again, it doesn't leave room for, you
21
    know, anything other than the fact that that's what you
22
    were getting from the clinicians. They expected
23
    performance from a permanent filter -- from a
24
    retrievable filter the same as you would get from a
    permanent filter, right?
25
```

```
Page 197
             Yes. That's what they want.
1
        A.
2
        0.
             And their other expectation is a filter should
3
    not migrate no matter what the size of thrombus burden
    it captures, right?
4
5
        A.
             That's what they want, yes --
6
        0.
            According --
7
            -- according to this, yeah.
        A.
             Do you know if that ever -- that type of advice
8
        Q.
9
    from clinicians ever changed about these expectations?
             I doubt it. I mean, I think we would all --
10
        A.
11
    all the physicians and all the device people would like
12
    to set the bar in that place, yeah.
            And, by the way, it says "expected."
13
        Q.
14
        A.
            Yes. Yep.
            Clearly says "expected."
15
        Q.
16
            Yeah.
        A.
17
             All right. So that was in two thousand and --
         Ο.
18
     this was in 2008, this document. But is it fairly clear
19
     that they're discussing a focus group about what
20
     happened in two thousand -- in June of 2004 when --
2.1
     when -- we talked about some of this, when I think by
22
     then you had three migration deaths, right?
23
             MR. NORTH: Objection to the form.
24
     BY MR. LOPEZ:
25
         Q. From the Recovery filter?
```

```
Page 228
 1
     snickers when I used the word --
 2
              MR. NORTH: He did not snicker.
              MR. LOPEZ: Well, it's on the video record.
 3
              THE WITNESS: No, I did. I had a reaction --
 4
 5
             MR. LOPEZ: Yeah. There you go.
              THE WITNESS: -- because I just --
 6
 7
             MR. LOPEZ: Thank you.
              THE WITNESS: -- find the -- I'm just having
 8
    trouble tracking the question.
10
    BY MR. LOPEZ:
             If you can't answer it because of the way it's
11
12
    phrased, I will move on to the next question. How's
13
    that?
14
        Α.
             Yeah. That's fine.
15
        Q. Good.
16
            Why don't we move on.
        Α.
17
        Q. And I think we agreed earlier that patients
    have to have relevant and -- information that the
18
19
    company has about not only the good stuff about the
    product, but the -- the potential bad information about
20
21
    the product in order for the patient and the physician
    to have a reasonable and appropriate and informed
22
23
    consent about even to use the product, right?
24
             MR. NORTH: Objection to the form.
    BY MR. LOPEZ:
25
```

```
Page 229
1
        Q.
            That's a no-brainer?
2
             MR. NORTH: Objection to the form.
3
    BY MR. LOPEZ:
             Wouldn't you agree?
4
        Q.
5
        A.
             Well, what I would agree is that the companies
6
    with the devices certainly have an obligation to provide
7
    all the relevant information for the doctors to make
8
    their product choices.
9
              Okay. Again, I -- I think it's -- you've --
         Q.
10
    you've not answered my question.
11
        Α.
             Really?
12
        O. I'm going to ask --
13
        Α.
             I think I --
14
            I'm going to ask Kim to answer it again because
         O.
    I didn't ask what the -- you know, I just asked whether
15
16
    or not it's important. Listen -- listen to the question
17
    and -- and then you can judge yourself.
              THE COURT REPORTER: The question is: "I think
18
19
    we agreed earlier that patients have to have relevant
20
    in-" -- "relevant information that the company has about
21
    not only the good stuff about the problems about" --
22
     "about the potential bad information about the products
    in order for the patients and the physicians to have a
23
    reasonable and appropriate and informed consent about
24
25
    even to use the product, right?"
```

```
Page 288
 1
                        I mean, that is what you do, you
 2
              monitor the MAUDE database, to see if there is
              some sort -- a certain trend into the future
              with respect to migrations, fractures,
 4
 5
              perforations that might unnecessarily be
              exposing somebody to a likely --")
 б
 7
              THE COURT REPORTER: Excuse me. I have a
 8
     snafu.
 9
              MR. LOPEZ: I can do it over. I can start
10
     over.
11
              THE COURT REPORTER: Sure.
12
     BY MR. LOPEZ:
13
            The reason that the MAUDE database is monitored
        O.
14
    is because you want to see if you're seeing any signals
15
    or trends as to what may be happening -- what could
16
    happen in the -- if you continue to market a device,
17
    right?
18
            Yeah. I think -- I think --
        A.
19
        Q.
            Is that one of the reasons?
20
        A.
            Yeah. You monitor events.
21
             Right. And -- and the reason you do that is
        O.
22
    because if -- if you're starting to get evidence that
23
    this thing is more dangerous than other potential
    alternative therapies for this patient population, you
24
    want to be able to tell doctors that they ought to know
25
```

```
Page 289
    about these increased risks so they can actually include
1
2
    in their differential other types of therapy that may
3
    not be -- may not have these risks?
             MR. NORTH: Objection to the form.
4
5
             THE WITNESS: Yeah. I mean, the physician
6
    communication is always, you know, important and one of
7
    the considerations for monitoring the complaint rates.
 8
     BY MR. LOPEZ:
 9
              I mean, didn't you -- your company, and at
         Q.
10
     least with respect to the Recovery filter, start to get
11
     a -- a pretty strong clue and signal that the longer you
12
    kept the Recovery mark- -- device on the market, the
13
    more people's lives were going to put at risk of
14
    migration deaths and even fracture -- fracture --
     embolizations from fractures?
15
16
              Didn't you -- didn't you come to that
     conclusion as you were evaluating all of this and --
17
18
              MR. NORTH: Objection to the form.
19
    BY MR. LOPEZ:
20
            -- maybe you got a -- and maybe there's a
     problem you ought to be sharing with patients and
2.1
22
    doctors about that device so that they can do what some
23
     of these priority people did and say I'm not using it
24
     anymore; I'm going to do something else?
25
              MR. NORTH: Objection to the form.
```

```
Page 290
              THE WITNESS: Is that one question or two? It
 1
 2
     was a long one. I just want make sure I --
     BY MR. LOPEZ:
 3
 4
              Well, which one do you -- I mean, I --
         Ο.
 5
         Α.
              I don't know. They're tough -- when you string
     them together like that, they're kind of tough to keep
 6
 7
     track of. I'm not trying to be difficult, but it sounds
 8
     like a statement, and then it turns into a question, and
 9
     so it's hard to track it.
10
              Okay. So you're confused about what I'm asking
         Ο.
11
     with respect to --
12
         Α.
              Well, just --
13
             If -- if you are, I'll -- I'll ask it again.
         0.
14
             Yeah. Why don't we do that. That's good.
         Α.
15
            Have you -- don't you think as you were getting
        Q.
16
    these fairly consistent reports of migratory deaths with
17
    the product, that -- that doctors might want to know the
18
    details about that so that they can factor that into
19
    their deliberative process when they're considering
    whether to use your device, somebody else's device or
20
21
    choosing some other therapeutic avenue for their
22
    patients?
23
             MR. NORTH: Objection to the form.
24
             THE WITNESS: Yeah. I think doctors want
25
    access to information to make good clinical choices.
```

```
Page 306
 1
     an adverse event, you can provide it, but you have to
 2
     redact the name of the doctor and the reporting person
 3
     and the patient, right?
 4
         Α.
              That's the legal understanding.
 5
         Ο.
              I mean, you know that, too, as the president of
 6
     the company?
 7
         Α.
             Actually, I -- I -- I didn't know that until
 8
     today.
 9
             Oh, okay. You should -- you should send out a
         Q.
10
     memo when you get back to your office about that.
11
              MR. NORTH: Objection to the form.
12
              MR. LOPEZ: I'm just teasing. Relax.
13
    BY MR. LOPEZ:
14
             Okay. I think I spent enough time on that,
    but -- but the bottom line is we -- we don't know. I
15
16
    mean, so the -- so anoth- -- another way that the -- the
17
    risk of adverse events could be much higher than what we
18
    may be seeing on some of these charts is if some of
19
    these serious adverse events don't even make their way
    into the files of Bard or into the files of FDA?
20
21
            Yeah. There's a risk of underreporting.
        A.
22
            Right.
        Q.
23
             The company is pretty diligent, though. This
        A.
    was an area that we put considerable effort into. Yeah.
24
25
    I was there.
```

```
Page 307
            How closely did you monitor that?
1
        Q.
2
        A.
            Closely.
3
            Who monitored --
        Q.
            We monitored complaints every month.
4
        A.
5
        Q.
            Who -- who was it -- oh, you did monitor
    complaints every month?
6
7
        A. Sure.
8
        Q. So you knew -- you knew what was going on every
9
    month about what was being reported to the company about
    the Recovery and the G2 filter while you were there?
10
11
        A. Yes.
12
        Q. And you saw the trending as you were there?
13
        A. Yes.
14
        O. You knew it was going up and up and up and up
    and up, right?
15
16
             MR. NORTH: Objection to the form.
17
             THE WITNESS: We saw the numbers.
18
    BY MR. LOPEZ:
        Q. And you saw the numbers continue to rise at a
19
20
    fairly steady rate, right?
             MR. NORTH: Objection to the form.
21
22
             THE WITNESS: Saw the -- saw the rate
23
    increasing.
24
    BY MR. LOPEZ:
25
        Q. You saw the deaths continuing to mount, right?
```

```
Page 308
             MR. NORTH: Objection to the form.
1
2
             THE WITNESS: I had access to the reports.
3
    BY MR. LOPEZ:
             And you saw the migration -- reports of
4
        O.
5
    migrations continue to mount over that period of time?
6
            I -- I -- I think I said yes to that.
        A.
7
        Q. And you saw fractures continuing to mount month
8
    after month after month, right?
9
             MR. NORTH: Objection to the form.
10
             THE WITNESS: I saw the complications.
11
    BY MR. LOPEZ:
12
             And I even showed you a document that showed
    that as time went on, not only did the numbers increase,
13
14
    the -- the percentage of those type of complications
15
    increased. I just showed you a document that shows
16
    that.
             I don't remember which document you're
17
18
    referring to, but . . .
19
        Ο.
             And by the way, did your sales continue to go
20
    up during that period of time?
2.1
             On what products?
        A.
22
            On the Recovery and the G2 filter --
        Q.
23
             MR. NORTH: Objection to the form.
24
    BY MR. LOPEZ:
        Q. -- as these numbers continued to mount.
25
```

```
Page 349
              Right, but I thought it was -- I thought it
 1
 2
     was. Again, I'm testing my memory a little bit here;
     it's been, you know, a long time -- that there were kind
 3
 4
     of expected rates or complication rates of vena cava
 5
     filters, and that the Recovery fell within those
 6
     expected rates. That's my recollection.
 7
              All right. The -- but, again -- I -- I know
 8
     I'm harping over and over and over again on this issue,
 9
     and Mr. North is shaking his head yes, I am, because
10
     I -- the -- the -- it -- it's important from the
     perspective of my clients and who I represent and the
11
12
     doctors who were involved in this process to fully
13
     understand the messaging that was getting out to them
14
     from the company.
15
              Do you understand that?
16
              I understand what you're saying.
         Α.
17
        0.
             And you understand that the comp- -- it's the
18
     company's obligation to get information to the doctors
     about the -- the -- the benefits and the risks and the
19
     complications and the trending of adverse events out to
20
21
     physicians. Nobody else has that --
22
              DIGITAL VOICE: Alan Graves has left the
23
     conference.
24
     BY MR. LOPEZ:
25
         Q. No one else has that obligation.
```

EXHIBIT 3

RECOVERY FILTER AND FEMORAL DELIVERY SYSTEM PRODUCT PERFORMANCE SPECIFICATION

Revision 0 Ref: SOPN0700050 Page 1 of 27 PPS070016

PPS Number: Product: Recovery Filter and Femoral Delivery System

PPS070016

Revision Number: 0

1.0 Product Identification

simple to perform. standard 7 French I.D. angiographic introducer sheath with minimum entry site difficulties. The placement procedure is quick and unique design and material of the Recovery Filter provide excellent filtering efficiency and allow percutaneous placement through The **Recovery** Filter represents a new generation of venous interruption devices designed to prevent pulmonary embolism. The

percutaneously removed. (See Optional Removal Procedure for specific removal instructions) catheter, positioned below the lowest renal vein. When the tip of the filter approaches the tip of the introducer catheter, it will be percutaneously removed after implantation according to the instructions provided under the Optional Removal Procedure. The centering system allows the **Recovery** Filter to be deployed with the filter tip centered and prevents the legs from crossing pulled back onto the pusher wire handle to unsheath and release the filter and allow it to recover to its predetermined shape. The positioned between the radiopaque markers on the introducer catheter. The introducer catheter and delivery assembly are then the filter legs. These components secure the filter to the pusher wire as it advances the filter, tip first, to the distal end of the pad at the end of the wire is designed to push on the filter apex and a grooved segment is designed to hold and properly orient **Recovery** Filter's elastic hooks allow the filter to remain rigid and resist migration, but elastically deform when the filter is The Recovery Filter is designed to act as a permanent filter. When clinically indicated, the Recovery Filter may be The Femoral set is designed to advance through its 48 cm, 7 French I.D. introducer catheter using a flexible, nitinol pusher wire. D

device MRI Compatible: The Recovery Filter implant is MRI-safe and neither interferes with nor is affected by the operations of a MRI

2.0 Scope

System with respect to verification and validation testing activities sterilization, packaging, labeling, and equipment interface characteristics of the Recovery Filter and Femoral Delivery This document will cover clinical, environmental, physical, material, shelf life, mechanical, biological, radiopacity, chemica

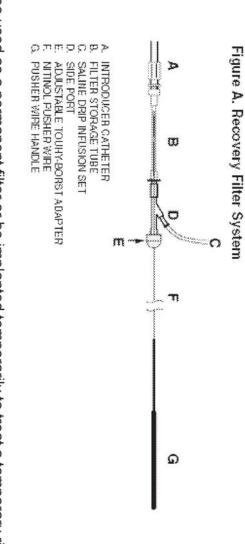


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3.0 General Product Description

with diameters up to 28 mm. nitinol wires emanating from a central nitinol sleeve. These twelve wire form two levels of filtration of emboli: the legs provide the lower level of filtration and the arms provide the upper level of filtration. The Recovery Filter is intended to be used in vena cava The Recovery Filter System consists of the Filter and Delivery System. The Recovery Filter consists of twelve, shape memory

and dilator, the Recovery Filter, a storage tube with a saline infusion port, and a pusher system. The Recovery Filter is packaged pre-loaded within the delivery storage tube. The Recovery Filter Delivery System is illustrated in Figure A. The Delivery System consists of a 7 French I.D. introducer sheath



adapter, and nitinol pusher wire assembly. Kit A and Kit B are packaged in a unit pouch. The system is packaged in a femora of the delivery system including the Recovery vena cava filter preloaded in a storage tube, connected with a Touhy-Borst Yembolism. The Recovery Filter system is packaged in kits. Kit A consists of the 7 Fr. Teflon introducer catheter set. Kit B consists Recovery Filter system is intended for disposable, one time use delivery configuration. The filter systems are manufactured, packaged, labeled, and sterilized, ready for distribution. The Recovery Filter may be used as a permanent filter or be implanted temporarily to treat a temporary risk of pulmonary

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4.1 Industry Documents and Standards	
Document Number	Title
Not Applicable	American College of Radiology (ACR) Standard for the Performance of Percutaneous Permanent Inferior Vena Cava (IVC) Filter Placement for the Prevention of Pulmonary Embolism (2000)
ASTM D-903:1998	Standard Test Method for Peel or Stripping Strength of Adhesive Bonds
ASTM D4169-01:2001	Standard Practice for Performance Testing of Shipping Containers and Systems
ASTM D4728-01:2001	Standard Test for Random Vibration Testing of Shipping Containers
ASTM D5276-98:1998	Standard Test Method for Drop Test of Loaded Containers by Free Fall
ASTM F640-79:2000	Standard Test Methods for Radiopacity of Plastics for Medical Use
EN 550:1994	Sterilization of Medical Devices – Validation and Routine Control of Ethylene Oxide Sterilization
EN 868-1:1997	Packaging Materials and Systems for Medical Devices Which are to be Sterilized – Part 1: General Requirements and Test Methods
EN 868-2:1999	Packaging Materials and Systems for Medical Devices Which are to be Sterilized – Part 2: Sterilization Wrap – Requirements and Test Methods
EN 12006-3:1999	Non-Active Surgical Implants – Particular Requirements for Cardiac and Vascular Implants – Part 3: Endovascular Devices
EN 46001:1996	
ISO 594-1:1986	Conical Fittings with a 6% (Luer) Taper for Syringes, Needles and Certain Other Medical Equipment – Part1: General Requirements
ISO 594-2:1998	
ISO 9001:1994	Quality Management Systems - Requirements
ISO 10555-1:1995(E)	Sterile, Single-Use Intravascular Catheters – Part 1 : General Requirements
ISO 10993-1:1997	Biological Evaluation of Medical Devices - Part 1: Evaluation and Testing
ISO 11135:1994	Medical Devices - Validation and Routine Control of Ethylene Oxide

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4.1 Industry Documents and Standards	
Document Number	Title
	Sterilization
ISO 11607:1997	Packaging for Terminally Sterilized Medical Devices
ISO 13485:1996	Quality Systems – Medical Devices – Particular Requirements for the Application of ISO 9001
4.2 Regulatory Documents and Standards	
Document Number	Title
FOD#24	Guidance for Cardiovascular Intravascular Filter 510(k) Submission (1999)
CFR 21 Part 820 (4-1-02 Edition)	Quality System Regulation
FDA 95-4158:1995	Premarket Notification 510(k): Regulatory Requirements for Medical Devices

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Note: Intended Uses and User Needs are subject to design validation	Needs are	JUser	Jses and	Intended L	Note:
	Sm.	tal lerm	ronmen	inical and Environmenta	Clinica

5.0

5.1 Clinical Terms			
	Design Input		Design Output
Term	Description / Statement	Pass or Fail	Reference Document(s)
Intended Use	The Recovery Filter is indicated for use in the prevention of recurrent pulmonary embolism via permanent or temporary placement in the vena cava.	Pass	RD-RPT-088, RD-RPT-118, RD- RPT-119, RD-RPT-121
	The user requires a permanent or temporary filter that can		
User Needs	be safely and accurately placed using a femoral vein approach inside the inferior vena cava vein as a preventative measure to patients at risk of pulmonary embolism.	Pass	RD-RPT-088, RD-RPT-118, RD- RPT-119, RD-RPT-121
Term	Description / Statement	tement	
	 Pulmonary thromboembolism when anticoagulants are contraindicated 	traindicated.	
Patient population	 Failure of anticoagulant therapy in thromboembolic disease. Emergency treatment following massive pulmonary embolism where anticipated benefits of conventional 	e. sm where an	iticipated benefits of conventional
Criteria	therapy are reduced.		
S. S. S.	•Chronic, recurrent pulmonary embolism where anticoagulant therapy has failed or is contraindicated	nt therapy ha	as failed or is contraindicated.
	 Temporary risk for pulmonary embolism. 		
Known Warnings	 Patients with inferior vena cava (IVC) diameters greater than 28 mm. 	an 28 mm.	
Contraindications or	 Pregnant patients where fluoroscopy may endanger the fetus. Risks and benefits should be assessed 	tus. Risks an	d benefits should be assessed
Precautions	carefully.		
	 Patients with risk of septic embolism. 		

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Term	Description / Statement	Pass or Fail	Reference Document(s)
	Insertion of the 7 French Introducer Catheter and Preliminary Venography 1. Select a suitable femoral venous access route, on either the right or left side, depending upon the	ry Venography the right or left	side, depending upon the
	patient's size or anatomy, operator's preference or location of venous thrombosis. 2. Prep, drape and anesthetize the skin puncture site in standard fashion. 3. Select and open the filter package. Open Kit A Introducer Catheter package. 4. Nick the skin with a #11 blade and perform venipuncture with an 18-gauge entry needle. 5. Insert the J-tipped guidewire and gently advance it into the distal vena cava or iliac vein.	of venous throndard fashion. r Catheter pack with an 18-gaune distal vena c	in of venous thrombosis. tandard fashion. Ser Catheter package. Te with an 18-gauge entry needle. The distal vena cava or iliac vein.
	NOTE: If resistance is encountered during a femoral insertion procedure, withdraw the guidewire and check vein patency fluoroscopically with a small injection of contrast medium. If a large thrombus is demonstrated, remove the venipuncture needle and try the vein on the opposite side. A small thrombus may be bypassed by the guidewire and introducer.	sertion proced on of contrast the vein on th ducer.	nsertion procedure, withdraw the guidewire and tion of contrast medium. If a large thrombus is y the vein on the opposite side. A small oducer.
Clinical procedure	6. Remove the venipuncture needle over the J-tipped guidewire. Advance the 7 French introducer catheter together with its tapered dilator over the guidewire and into the distal vena cava or the iliac vein.	wire. Advance the distal vena	the 7 French introducer catheter cava or the iliac vein.
2	NOTE: The introducer catheter has radiopaque markers to assist in visualization and predeployment filter positioning. The radiopaque markers on the introducer catheter provide a "target" location between which the filter should be positioned just prior to unsheathing and deployment.	to assist in viducer catheter to unsheathir	isualization and predeployment provide a "target" location and deployment.
	7. Remove the guidewire and dilator, leaving the introducer catheter with its tip in the distal vena cava or iliac vein. Flush intermittently by hand or attach to the catheter a constant saline drip infusion to maintain introducer catheter patency.	catheter with it constant saling	er catheter with its tip in the distal vena cava or ili a constant saline drip infusion to maintain
	NOTE: The introducer catheter hub has a special internal design. Care should be taken to make connections firmly, but without excessive force that may cause breakage in the hub.	al design. Car ay cause break	e should be taken to make (age in the hub.
intial: This document contains info	8. Perform a standard inferior venacavogram (typically 30 mL of contrast medium at 15 mL/s). Check for caval thrombi, position of renal veins and congenital anomalies. Select the optimum level for filter placement confidential: This document contains information that is the confidential and proprietary property of C. R. Bard, Inc. Neither this document nor the information therein may be reproduced, used or distributed to or for the benefit of any	nL of contrast n	mL of contrast medium at 15 mL/s). Check for nalies. Select the optimum level for filter placeme

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	Design Input		Design Output
Term	Description / Statement	Pass or Fail	Reference Document(s)

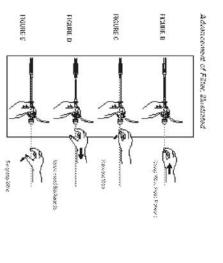
- the lowest renal vein.

 10. Remove the filter and delivery system from Kit B.
- the introducer and measure the IVC diameter, correcting for magnification (typically 20 percent) the saline infusion to flow around the filter in the storage tube for 5 seconds to soften it for passage through 11. Connect a 500-mL bag of saline to the sideport of the Y-adapter using a standard drip infusion set. Allow Adjust the infusion set to provide a rapid drip rate. Tighten the Touhy-Borst adapter valve to minimize reflux

of saline, but not so tight as to prevent the pusher wire from advancing freely

grooved segment that holds and properly orients the filter legs does not become clotted over. This will interfere with filter deployment. NOTE: It is very important to maintain introducer catheter patency with the saline flush so that the

system should be held in a straight line to minimize friction. allowing the saline infusion to flow into the IVC for a few seconds. The introducer catheter and filter delivery 12. Attach the free end of the filter storage tube directly to the introducer catheter already in the vein



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	Design Input		Design Output
Term	Description / Statement	Pass or Fail	Reference Document(s)
	13. Advance the Filter by moving the nitinol pusher wire forward through the introducer catheter, advancing	ward through t	the introducer catheter, advancing
	the Filter with each forward motion of the pusher wire (Figures B-E). Do not pull back on the pusher wire, only advance the pusher wire forward. For the operator's convenience, the nitinol pusher wire may be	res B-E). Do n onvenience, th	not pull back on the pusher wire, e nitinol pusher wire may be
	looped, without causing kinking to the nitinol material, to facilitate pusher wire handling and advancement. 14. Continue forward movement of the pusher wire until the Filter tip advances to the radiopaque marker on	ilitate pusher v Filter tip adva	wire handling and advancement. Inces to the radiopaque marker on
	the distal end of the introducer catheter. At this point, the pusher wire handle should be adjacent to the Y-adapter.	usher wire han	ndle should be adjacent to the Y-

Filter Release/Deployment

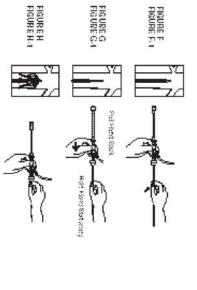
15. Deliver and release filter as described below:

Figure F: Firmly hold the pusher wire handle.

NC. Figure F-1: Filter positioned in introducer catheter between the radiopaque markers prior to deployment in

unsheath the stationary Filter by withdrawing the introducer catheter as described below. NOTE: Do not deliver the Filter by pushing it beyond the end of the introducer catheter. Instead,

Filter Release, Illustrated



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5.1 Clinical Terms			
	Design Input		Design Output
Term	Description / Statement	Pass or Fail	Reference Document(s)
	Now release the Filter by unsheathing it in the IVC as follows: Position the Filter tip 1 cm below the lowest renal vein.	ollows:	
	Figure G: With one hand held stationary, the other hand draws the Y-adapter as assembly back completely over the handle, uncovering and releasing the filter. Figure G-1: Unsheathing of Filter in IVC.	d draws the Y and releasin	draws the Y-adapter and storage tube and releasing the filter.
	Figure G-1: Unsheathing of Filter in IVC. Figure H: The position of the hands at the completion of the unsheathing process. Figure H-1: The Filter deployed in the IVC.	unsheathing	process.
	16. Now withdraw the pusher wire back into the storage tube by firmly holding the Y-adapter, storage tube, and delivery catheter assembly and pulling back on the pusher wire	e by firmly ho	Iding the Y-adapter, storage tube,
	17. Resume the intermittent saline flush or constant drip infusion to maintain introducer catheter patency.	usion to maint	ain introducer catheter patency.
	Follow-up Venacavogram 18. A follow-up venacavogram may be performed after withductopically 30 mL of contrast medium at 15 mL/s).	drawing the ir	rawing the introducer catheter into the iliac vein
	19. Remove the introducer catheter and apply routine compression over the puncture site in the usual way to achieve hemostasis.	pression over t	the puncture site in the usual way t
Medical specialties of	Medical specialties of Interventional radiologists, vascular surgeons, interventional cardiologists and other trained medical	al cardiologists	and other trained medical

5.2 Environmental Terms	rms
Term	Description/Statement
Use environment	Use environment This device will be used in Angiography Suites, Intensive Care Units and Cardiac Catheterization Labs.
Environmental / safety consideration	Distribution: The device function and package integrity must withstand cyclical shipping and storage Environmental / safety temperatures and humidity conditions encountered worldwide. Otherwise, specific conditions must be consideration noted.

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Term	Description/Statement
	During Use: The device must be capable of cycling between typical room conditions and the body's internal
	environment. Also, imaging equipment will expose the device to radiation

6.1 Physical Characteristics:

6.0

Engineering Terms

6.1.1 Dimer	6.1.1 Dimensional Characteristics	5			
	Design	Des	Design Input		Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
6.1.1.1 Recovery Filter	overy Filter				
6.1.1.1.1	Filter Weld Bead Diameter	The arms and legs must be welded to the sleeve properly.	Bead diameter must be 0.072" +0.003" /002".	Pass	SA4676200-3
6.1.1.1.2	Filter Weld Bead Height	The arms and legs must be welded to the sleeve properly.	Bead height must be 0.170" +0.020/ -0.010	Pass	SA4676200-3
6.1.1.1.3	Overall Filter Height	The overall height dimension of the filter is not to exceed 1.97".	1.621" ± 0.005"	Pass	SA4676200-1
6.1.1.1.4	Filter Arm Diameter	The arm diameter must not exceed 1.34".	1.102" - 1.299"	Pass	SA4676200-1
6.1.1.1.5	Filter Leg Diameter	The leg diameter is not to exceed 1.38".	1.181" – 1.339".	Pass	SA4676200-1
6.1.1.1.6	Filter Compression Profile	The filter is deliverable through a 9 Fr ID introducer sheath.	0.085" +0.002'/-0.000"	Pass	RD-RPT-095, RD-RPT-088
6.1.1.2 Rec	6.1.1.2 Recovery Filter Delivery System	ystem			

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	Doning	Des	Design Input		Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
6.1.1.2.1	Introducer Sheath OD	Maximum System OD must be 15 Fr.	0.118" ± 0.002"	Pass	RM4674901
6.1.1.2.2	Dilator ID	The dilator must be 0.038" Guidewire compatible.	0.041" ± 0.002"/-0.001"	Pass	RM4675040, RD-RPT-095
6.1.1.2.3	Introducer Sheath Length	Introducer sheath length needs to be approximately 48 cm.	20.04" ± 0.15"	Pass	RM4674901
6.1.1.2.6	Pusher Wire Effective Length	All filters must deploy when Y-body is retracted to the position where the PEBAX portion of the handle is bottomed out against the Touhy-Borst, not the silicone valve.	Length of Distal End of PEBAX Portion of the Handle to the Distal End of the Pusher Pad is 78.5 ± 0.63 cm.	Pass	ETR-03-07-07

	Panian	Desig	Design Input		Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s
6.1.2.1 Rec	6.1.2.1 Recovery Filter				
6.1.2.1.1	Filter	Filter must recover at body temperature. Must be biocompatible and EtO sterilizable.	Nitinol, Alloy Type 508, -5 C< Af<15 C	Pass	SA676200

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		Desi	Design Input		Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
6.1.2.2.1	Handle	Must be biocompatible and EtO sterilizable.	304 SS, ¾ full hard, ASTM A 269 (hypotube) PEBAX 4033 (handle)	Pass	RM0213514
6.1.2.2.2	Pusher Wire	Must be biocompatible and EtO sterilizable.	Nitinol, Alloy Type SE- 508, Af <10 deg C	Pass	RM0315006
6.1.2.2.3	Catheter	Must be biocompatible and EtO sterilizable.	FEP (Teflon) White 8-10% Barium (extrusion) Polyethylene white (hub)	Pass	RM4674901
6.1.2.2.4	Dilator	Must be biocompatible and EtO sterilizable.		Pass	RM4675040
6.1.2.2.5	Introducer Marker Band	Must be biocompatible, EtO sterilizable and must be radiopaque	Platinum/Iridium (90/10)	Pass	RM0267039
3.1.3 Other	6.1.3 Other Physical Characteristics	lics			
	Dosign	Design Input	put	De	Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
3.1.3 Recov	6.1.3 Recovery Filter and Recovery Delivery System	ery Delivery System			
6.1.3.1	Shelf Life	The device must have a minimum shelf life of 3 years.	3-year expiration dating	Pass	STR-02-09-01
6.1.3.2	Filter Weld Joint Visual Inspection	The arms and legs must be welded to the sleeve properly.	No discoloration except light yellow can be present on the welds.	Pass	RD-RPT-092

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	7	Design Input	put	De	Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
	Tiltor Wold Bood	The arms and legs must	The weld must totally		
6.1.3.3	Dhyciaal Attabate	be welded to the sleeve	cover the upper surface	Pass	RD-RPT-092
	Filysical Attribute	properly.	of the sleeve.		
6.1.3.4	Filter Tip Radiopacity	Filter tip must be radiopaque.	Visible under fluoroscopy	Pass	RD-RPT-088
6.1.3.5	Filter Radiopacity	Filter must be radiopaque.	Visible under fluoroscopy	Pass	RD-RPT-088
			Upon visual inspection,		
		The effective length of the	the introducer sheath		
2 2 2 2 2 2 2 2 2 2 2 2 2	Introducer Sheath	introducer sheath must be	must be free of	D	PQ.14.500.443,
0 0. 0	Surface Finish	free from extraneous	extraneous matter	FdSS	PQ.14.500.444, QC-0321
		matter.	(reference ISO 10555-		
			1:1995(E)).		
6 4 3 7	Introducer Marker	Marker bands must be	Visible upder fluorespec	0	RD-RPT-088, RD-RPT-118,
0.1.0.7	Band Radiopacity	radiopaque.	visible drider ildoroscopy	7 000	RD-RPT-119, RD-RPT-121

6.2 Mechanical Characteristics:

2 Mechanica	6.2 Mechanical Characteristics				
		Desig	Design Input		Design Output
D	Design Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
6.2.1 Recovery Filter	ery Filter				
6.2.1.1	Filter Clot Capturing Ability	Filter must trap blood clots.	Recovery filter clot capturing ability must be equivalent or better than the Greenfield filter.	Pass	RD-RPT-103

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6.2 Mechan	6.2 Mechanical Characteristics				
		Desig	Design Input		Design Output
	Design Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
6.2.1.2	Filter Migration Resistance	Filter must not migrate.	Filter must resist migration at 50mm Hg when fully occluded in diameters up to 28 mm.	Pass	RD-RPT-100, RD-RPT-088
6.2.1.3	Filter Hook Strength	Filter must not migrate.	≥70 gf	Pass	RD-RPT-101, RD-RPT-104
6.2.1.4	Filter Radial Strength	Filter must not perforate the vessel.	Recovery filter radial strength must be equivalent or less than the SNF.	Pass	RD-RPT-102
6.2.1.5	Filter Weld Strength/Integrity	Filter sleeve, arms, and legs must not separate during the lifetime of the device.	≥ 5 lbf.	Pass	RD-RPT-092
6.2.1.6	Filter Hook Creep	The filter must not be permanently deformed as a result of being constrained in the storage tube for a period of time.	There must be no increasing trend in creep.	Pass	RD-RPT-089
6.2.1.7	Filter Fatigue Resistance	The filter must not fracture as a result of corrosives or cyclic stresses within the body.	There must be no fractures of filter elements (arms or legs) due to the cycling of an equivalence of 10 years of pulmonary output (32 million cycles) in a corrosive environment.	Pass	RD-RPT-099

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	Design Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
6.2.1.8	Filter IVC Diameter Range	One Size Filter fits into Vena Cava Diameters of ≥15 mm and ≤28 mm	The filter must center and withstand a minimum of 50 mmHg pressure drop in simulated IVC's of 15 mm and 28 mm diameter.	Pass	RD-RPT-100 (pressure drop) and RD-RPT-095 (centering)
6.2.1.9	Filter Centering	The filter must self-center within the inferior vena cava.	The filter sleeve must be at a minimum distancing of 1/3 the diameter form the vessel wall.	Pass	RD-RPT-095, RPT-100, RPT- 088, RPT-118
.2.2 Recov	ery Filter Delivery Syst	6.2.2 Recovery Filter Delivery System – Introducer Sheath and Dilator Requirements	d Dilator Requirements		
6.2.2.1	Kink Resistance	Sheath and Introducer should resist kinking and crushing.	Sheath and Introducer must resist kinking and crushing.	Pass	RD-RPT-095
6.2.2.2	Side port and Flushing Capabilities	The system must have side port/flushing capabilities.	The system must have side port/flushing capabilities.	Pass	RM0085, SA4676200, RD- RPT-095
6.2.2.3	Dilator Removal	The dilator must be able to be removed safely with minimal force.	The dilator must be able to be removed safely with minimal force.	Pass	RD-RPT-095, RD-RPT-088, RD-RPT-118, RD-RPT-119, RD-RPT-121
6.2.2.4	Introducer Sheath and Y-body/Storage Tube Connection	The introducer sheath hub and Y-body/storage tube must be able to be connected with minimal force.	The introducer sheath hub and Y-body/storage tube must be able to be connected with minimal force.	Pass	RD-RPT-095
6.2.2.5	Leading Edge of Dilator/Sheath	The leading edge of the dilator and sheath shall be tapered and smooth.	The leading edge of the dilator and sheath shall be tapered and smooth.	Pass	RM4675040, RM4674901

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		Desig	Design Input		Design Output
	Design Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
6.2.2.6	Introducer Sheath Tensile Strength	The introducer sheath tensile strength should exceed what the system will be exposed to during use before breaking.	> 5 lbf.	Pass	RD-RPT-015 (SNF Design Dossier)
6.2.2.7	Dilator/Sheath Hub Strength	Minimum hub strength for dilator and sheath is 5 lb.	≥ 5 lbf.	Pass	ETR-02-11-01
6.2.2.8	Introducer Sheath Retraction	Introducer sheath must be able to be removed safely.	Introducer sheath must be able to be removed safely.	Pass	RD-RPT-095, RD-RPT-088, RD-RPT-118, RD-RPT-119, RD-RPT-121
.2.3 Reco	very Filter Delivery Syst	6.2.3 Recovery Filter Delivery System – Pusher Wire Requirements	ments		
6.2.3.1	Kink Resistance	The pusher rod must resist kinking and crushing.	The pusher rod must resist kinking and crushing.	Pass	RD-RPT-088, RD-RPT-095, RD-RPT-118
6.2.3.2	Spline & Sheath Proximal Band Alignment	The pusher wire must have the ability to align the distal/proximal location of the filter with the delivery sheath.	The pusher wire must have the ability to align the distal/proximal location of the filter with the delivery sheath.	Pass	RD-RPT-095, RD-RPT-088, RD-RPT-118, RD-RPT-119, RD-RPT-121
6.2.3.3	Filter Advancement	Pusher wire and filter advancement must be sufficiently controllable so as to avoid unintentional deployment of the filter.	Pusher wire and filter advancement must be sufficiently controllable so as to avoid unintentional deployment of the filter.	Pass	RD-RPT-095, RD-RPT-088, RD-RPT-118, RD-RPT-119, RD-RPT-121
6.2.3.5	Pusher Wire Radiopacity	The pusher pad and spline must have acceptable radiopacity near the distal	The pusher pad and spline must have acceptable radiopacity	Pass	RD-RPT-095, RD-RPT-088, RD-RPT-118, RD-RPT-119, RD-RPT-121

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6.2 Mechan	6.2 Mechanical Characteristics				
		Design	Design Input		Design Output
	Design Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
6.2.3.6	Pusher Pad Tensile Strength	Pusher pad must have a pull strength exceeding what the system will be exposed to during use before breaking from the wire.	≥ 3 lbf.	Pass	RD-RPT-093, STR-02-09-01
6.2.3.7	Spline and Pusher Wire Joint Tensile Strength	Pusher wire and spline joint must have a tensile strength exceeding what the system will be exposed to during use before breaking from the wire.	≥ 3 lbf.	Pass	RD-RPT-093
6.2.3.8	Proximal Cylinder Stop and Pusher Wire Joint Tensile Strength	Pusher wire and proximal cylinder stop joint must have a tensile strength exceeding what the system will be exposed to during use before breaking from the wire.	≥ 3 lbf.	Pass	ETR-03-07-04
6.2.3.9	Pusher Wire Handle Joint Pull Strength	Pusher wire and handle joint must have a tensile strength exceeding what the system will be exposed to during use before separating from the wire.	≥ 5 lbf.	Pass	RD-RPT-093
6.2.3.10	Pusher Wire Tensile Strength	Pusher wire must withstand a certain amount of force without breaking.	> 5 lbf. (0.0130" diameter wire)	Pass	RD-RPT-091, RD-RPT-094

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		Desig	Design Input		Design Output
	Design Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
6.2.4 Reco	very Filter Delivery Syst	6.2.4 Recovery Filter Delivery System – System Requirements			
6.2.4.1	Filter Deployment Accuracy	The physician must be able to accurately deploy the filter.	± 1 cm	Pass	RD-RPT-095, RD-RPT-088, RD-RPT-118, RD-RPT-119, RD-RPT-121, RD-RPT-115
6.2.4.2	Deployment Force	The physician must be able to deploy the filter with minimal force.	The physician must be able to deploy the filter with minimal force.	Pass	RD-RPT-095, RD-RPT-088, RD-RPT-118, RD-RPT-119, RD-RPT-121
6.2.4.3	Filter Advancement into Introducer Sheath	The physician must be able to advance the filter from the storage tube into the introducer sheath with minimal force.	The physician must be able to advance the filter from the storage tube into the introducer sheath with minimal force.	Pass	RD-RPT-095, RD-RPT-088, RD-RPT-118, RD-RPT-119, RD-RPT-121
6.2.4.4	Filter Advancement Through Introducer Sheath and RO Bands	The physician must be able to advance the filter through the introducer sheath and RO bands.	The physician must be able to advance the filter through the introducer sheath and RO bands.	Pass	RD-RPT-095, RD-RPT-088, RD-RPT-118, RD-RPT-119, RD-RPT-121
6.2.4.5	Filter Deployment	The filter deployment must be simple, requiring minimal end-user manipulation.	The filter deployment must be simple, requiring minimal end-user manipulation.	Pass	RD-RPT-095, RD-RPT-088, RD-RPT-118, RD-RPT-119, RD-RPT-121, RD-RPT-115
6.2.4.6	Delivery of Filter through the Femoral Vein	The filter delivery system must be capable of deploying the RNF filter in caval geometries bounded by the indications for use (i.e. delivered into the IVC via the Femoral vein).	The filter delivery system must be capable of deploying the RNF filter in caval geometries bounded by the indications for use (i.e. delivered into the IVC via the Femoral vein).	Pass	RD-RPT-095, RD-RPT-088, RD-RPT-118, RD-RPT-119, RD-RPT-121, RD-RPT-115

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		Desig	Design Input		Design Output
	Design Characteristic	User	Engineering Specification	Pass Or Fail	Reference Document(s)
		The filter delivery system	The filter delivery system		
		must be capable of	must be capable of		
6.2.4.7	Filter Recoverability	deploying the RNF filter	deploying the RNF filter	Pass	RD-RPT-095, RD-RPT-115
		such that the filter sleeve	such that the filter sleeve		
		would be accessible.	would be accessible.		
	Touby-Roret Nint	Physician must be able to	Physician must be able to		
6.2.4.8	Tightness	open the Touhy-Borst nut.	open the Touhy-Borst	Pass	ETR-03-10-13
		Filter hooks must not	Filter hooks must not		
2 2 2	Filter Hook and Spline	dislodge from the spline	dislodge from the spline		ETB 03 40 43
0.4.3	Interaction	_	during normal shipping or	rass	L 2-03-10-10
		storage.	storage		

6.3 Fluidic Characteristics

	Design	Desi	Design Input		Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
6.3.1	Not Applicable	None	None	N/A	None

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6.4 Electrical, Electronic and Radiation Characteristics

	Design	Design Input	put	De	Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
6.4.1	MRI Compatibility	Filter must be MRI compatible.	Filter must be MRI compatible.	Pass	ETR 02-12-01

6.5 Thermal Characteristics

	Dasica	Design Inpu	put	De	Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
6.5.1	Not Applicable	None	None	None	None

6.6 Chemical Characteristics

) } !	Design Input	put	De	Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
Ki P <u>i</u>	0.9% Saline Solution	Delivery system must be Delivery system must be	Delivery system must be	III	RD-RPT-088 RD-RPT-118
6.6.1	Compatibility	compatible with a 0.9%	compatible with a 0.9%	Pass	RD-RPT-119, RD-RPT-121
	Companionity	saline solution.	saline solution.		ND-101 1-119, ND-101 1-12
6 9 9	Contract Compatibility	Contract Compatibility Delivery system must be Delivery system must be	Delivery system must be	Door	RD-RPT-088, RD-RPT-118
0.0.	Contrast Companionity	compatible with contrast.	compatible with contrast.	rdss	RD-RPT-119 RD-RPT-121

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6.7 Biological Characteristics

	Dasign	Desi	Design Input		Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
					RD-RPT-088, RD-RPT-019,
					RD-RPT-025, NAMSA
0 7 4		The product must be	100 10003 1:1007	J	Report #99T-1580-00
6.7.1	biocompanibility	biocompatible.	130 10993-1.1997	200	(TI264-50
		3			TI261-300, TI261-301
					MG074-100 TH010-807

6.8 Sterilization Characteristics

	- Panian	Desi	Design Input		Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
6.8.1	Sterility	The entire product must be sterile.	The entire product must be tested for sterility The entire product must following EtO sterilization be sterile. 550:1994and ISO 11135:1994).	Pass	STR-02-09-01, ETR-02-11-01, 0321938-4 (Covington), E03-019 Product Adoption Evaluation – Covington)
6.8.2	Number of Exposures	The delivery system must be able to be sterilized a minimum of two cycles.	2X EtO	Pass	STR-02-09-01, ETR-02-11-01, 0321938-4 (Covington), E03-019 Product Adoption Evaluation – Covington)

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6.9 Operating Environment

a Obelani	o.a Operating Environment	Design Input	Innut		Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
		Transport	Transport and Storage		
			Product must be functional after being		
			subjected to warehouse		
	Warehouse	Product must survive	environmental		
6.9.1	Environment	warehouse environment intact.	conditions (reference ASTM D4169-01:2001.	Pass	RFS-2481 (same as SNF)
			ASTM D4728-01:2001,		
			and ASTM D5276-		
			98:1998).		
			Product must be		
			functional after being		
	NAMES OF THE PERSON OF T	Product must survive	transported (reference		DEC-2/81 (same as CNE)
6.9.2	Truck / Air Transport	transport intact and	ASTM D4169-01:2001,	Pass	ETP 03 10 13
	100	undamaged.	ASTM D4728-01:2001,		L 2-00-10-10
			and ASTM D5276-		
			98:1998).		
		Prod	Product Use		
		Product must be able to	Product must be able to		
	Application Suito	be used under normal	be used under normal		BD BBT 088 BD BBT 118
6.9.3	CI Soft Ist	conditions in an	conditions in an	Pass	BD BBT 110 BD BBT 121
	וכט טו כמווו. במט	angiography suite or ICU	angiography suite or		70-71-119, 70-71-121
		environment.	ICU environment		

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6.10 Human Factors and Ergonomic Characteristics

	Design	Des	Design Input		Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
6.10.1	Not Applicable	None	None	None	None

6.11 Packaging Characteristics

	Dacian	Desi	Design Input		Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
		Dackaging must allow	Dackaging must allow		STR-02-09-01, ETR-02-11-
0 4 4	Drodinat Otorilita	rackaging must allow	rackaging must anow	D	01, 0321938-4 (Covington)
c	r loddct otellity	the product	the product	Газз	E03-019 Product Adoption
		rie product.	nie product.		Evaluation - Covington)
	Dough Cool	The seal must remain			RFS-2481 (same as SNF),
6.11.2	Pool Strongth	intact to maintain product	≥ 0.75 lb/in.	Pass	PV-PG-500 RNF (Glens
	Leel offerigni	sterility.			Falls)
		The seal must remain	The seal must remain		BES 2484 (some of SNE)
0 11 0	Pouch Seal Visual	intact to maintain product intact to maintain product	intact to maintain product	D	BV BC 500 BNE (Class
	Integrity	sterility, no voids should	sterility, no voids should	T doo	Falls)
		be present	bo procos+		r allo)

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6.12 Labeling Characteristics

	Danien	Desi	Design Input		Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
		Identifies part number,			Labels (BK5022012
207	Tobol Dogginsomonts	part description, use	Bard Corporate labeling	D	DK5000011 DK5000018
0. 1	Label Nedall elllelits	before date, and lot	and format requirements.	r doo	PK5010531)
		number.			- K3019331)
		Clear and accurate			
	Instructions for Hea	directions explaining safe	Bard Corporate IEII		
6.12.2	Post isomosto (IEII)	and effective medical		Pass	IFU (PK5014853)
	redui elliellis (IFO)	device use must be	requirements.		
		provided to the user.			

6.13 Equipment Interface

	Posicion	Desig	Design Input		Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
		Dilator hub, introducer			
	Dilator Hub, Introducer	Dilator Hub, Introducer hub, and Y-body side port	Standard female luer		BD BBT 005 BD BBT 088
0 4 3	Hub, and Y-Body Side	Hub, and Y-Body Side must properly interface	fitting, and standard	0	BD BBT 118 BD BBT 110
0.10.1	Port	with a standard saline	female luer fitting on Y-	rass	20-27 1-110, 20-27 1-119
	Equipment Interaction	Equipment Interaction drip system, syringe, and	body.		70-71-121
		power injector.			

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6.14 Aesthetic Characteristics

	Design	Desi	Design Input		Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
6.14.1	Not Applicable	None	None	None	None

6.15 Environmental/Disposal Considerations

	Danier	Desi	Design Input		Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
6.15.1	Product Hazardous Waste Disposal	Potential biohazard following use.	The following warning should be present in the IFU: "After use, this product may be a potential biohazard. Handle and dispose of in accordance with accepted medical practice and applicable laws and	Pass	IFU (PK5014853)

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7.0 Marketing Terms

	Pasion	Desi	Design Input		Design Output
	Characteristic	User Requirement	Engineering Specification	Pass Or Fail	Reference Document(s)
		The delivery system must			
	None planament	be able to accurately	Reference sections 6.2.1.,		Reference sections 6.2.1.,
/	Accurate Flacement	deploy the filter to the	6.2.2., 6.2.4	rass	6.2.2., 6.2.4
		intended target location.	2		2
		The introducer/dilator and			
		delivery system assembly	Deference coeffees 6 3 4		Doforoso soctions 6 3 1
7.2	Flexibility	must track through the	Reference sections 6.2.1.,	Pass	Reference sections 6.2.1.
		venous system without	0.2.2., 0.2.4		0.2.2., 0.2.4
		kinking.			
		The user requires a	Reference sections 6.2.1		Reference sections 6.2.1
7.3	Low Profile	delivery system with a low 6.2.2., 6.2.4	6.2.2., 6.2.4	Pass	6.2.2., 6.2.4
7.4	Self-Centering	The filter must self-center	Reference sections 6.2.1.,	Pass	Reference sections 6.2.1.,

8.0 Regulatory Terms

8.1 FDA Guidance Documents			
Document Number		Title	
CFR 21 Part 820 (4-1-02 Edition)	Quality System Regulation		
8.2 Other Regulatory Considerations (USA or International)	iternational)		
Document Number		Title	
Not Applicable	Not Applicable		

		Revision History	161 90
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<u>Description</u>
Conversion of NMT/Creation of BPV PPS for Recovery

Revision Number

Date 11/03

CR Number BPT 7081 [6]

Filter and Femoral Delivery System/ L. Jaramillo

EXHIBIT 4

From: Ciavarella, David [/O=BARD/OU=MHL AG/CN=RECIPIENTS/CN=DCIAVA

RELLA]

Date: 12/27/2005 2:33:22 PM

To: Barry, Brian [Brian.Barry@crbard.com], Ganser, Christopher

[Christopher.Ganser@crbard.com]

Subject: FW: G2 Caudal Migrations

My comments to Cindi and Gin.

From: Ciavarella, David

Sent: Friday, December 23, 2005 2:32 PM

To: Walcott, Cindi

Cc: Allen, Shari; Schulz, Gin Subject: RE: G2 Caudal Migrations

Thank you Cindi.

I think we should discuss these further so I can get a better understanding of each one. But first, it would help if I had a little more information.

From what you've sent me, it seems to me that the biggest (worst case) consequence of these migrations is that they are accompanied in a majority of cases by tilting. This raises the concern of lack of efficacy, that is, are the filters now in place to perform clot interruption? I would guess not in several of these cases at least.

I would like to look more generally at the G2 complaints. I have seen problems with caudal migration, tilting, perforation, mis-deployment and maybe one or two additional things. Can you tell me the total number of complaints (not damaged packages and the like) and total number of units distributed?

How many MDRs have we had for G2?

The G2 is a permanent filter; we also have one (the SNF) that has virtually no complaints associated with it. Why shouldn't doctors be using that one rather than the G2? Can you also send me the total complaints rate and MDR complaint rate for SNF?

I'll be in the office next Tues and Wed; maybe we can talk one of those days.

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From: Walcott, Cindi

Sent: Tue 12/20/2005 6:14 PM

To: Ciavarella, David

Cc: Allen, Shari; Schulz, Gin Subject: G2 Caudal Migrations

David,

During a conference call with the design team of the G2 filter and Chris Ganser today, the caudal migrations of the G2 were briefly discussed.

Chris asked if I had submitted any MDRs on these events yet and I answered yes. Chris asked me to review the events with you to determine what events have the potential for serious injury and establish a baseline for the future. Presently, based on the description of the events and the history of a filter being removed, I have coded them all as reportable. Please note that I cut the descriptions straight out of what was entered into Trackwise. I can see that some of the descriptions are a bit rough.

Please see the attachment, which has a description of the events to date.

- 1. Record 63855- I submitted that one as an MDR because there was also a report of perforation with this patient. Perforations have caused serious injuries with previous filters. We have always reported perforations of the Recovery Filter and the Simon Nitinol filters. The doctor also removed the filter due to the perforation and migration.
- 2. Record 65220- I submitted this one as an MDR, as the filter migrated into the renal veins and caused the patient flank pain.
- 3. Record 65851- I reported this one as it migrated 3cm and is currently at the iliac confluence.

Thanks for your assistance,

Cindi

EXHIBIT 6

```
1
                 UNITED STATES DISTRICT COURT
2
                     DISTRICT OF ARIZONA
3
5 IN RE BARD IVC
6 FILTERS PRODUCTS ) No. MD-15-02641-PHX-DGC
7 LIABILITY LITIGATION )
8
9
10
     DO NOT DISCLOSE - SUBJECT TO FURTHER
11
                CONFIDENTIALITY REVIEW
12
13
    VIDEOTAPED DEPOSITION OF DONNA-BEA TILLMAN, Ph.D.
14
                     WASHINGTON, D.C.
                  FRIDAY, AUGUST 4, 2017
15
16
                        9:18 A.M.
17
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21
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23
    Reported by: Leslie A. Todd
24
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- where there were very short-term excursions and
- 2 pressure that went above 50 millimeters of
- mercury, but I don't think the quality of that
- 4 data or that information is necessarily enough to
- 5 say that 50 millimeters was not the appropriate
- 6 value to use at that time.
- 7 Q It could have been much higher, though,
- 8 right, based on that data?
- 9 MR. ROGERS: Object to the form.
- THE WITNESS: My -- my expectation based
- on the -- some of the animal work that I did
- during my graduate work is that a lot of times
- things happen when you're doing animal studies.
- 14 You get glitches or short excursions of data that
- may not mean anything. And based on the limited
- information we have about what actually happened
- during those animal studies, it's hard for me to
- 18 say that that's enough information to say that the
- 19 50 is not an appropriate number to use.
- 20 BY MR. LOPEZ:
- Q Was that -- were those animal studies
- 22 provided to FDA?
- 23 A I don't believe that that data is of the
- quality that it's relevant to be provided to FDA

- 1 A It's my understanding that the purpose
- of those guidelines has changed somewhat since the
- original publication in 2003.
- 4 MR. LOPEZ: Move to strike,
- 5 nonresponsive.
- 6 BY MR. LOPEZ:
- 7 Q Have you read Dr. Grassi -- Grassi's
- 8 deposition testimony about that?
- 9 A I have not reviewed Dr. Grassi's
- deposition.
- 11 Q Okay. Have you read Dr. Anne Roberts'
- deposition about Bard's use of SIR quidelines?
- 13 A I have not reviewed Dr. Roberts'
- deposition.
- Q Okay. Do you know who Dr. Roberts is?
- 16 A I am aware of who she is.
- 0 Did -- was she -- did she work at FDA at
- any time while you were there?
- A So it's my understanding that she did a
- fellowship at FDA, and I'm not exactly sure to
- what extent our time overlapped.
- 22 Q Then how is it that you know who
- 23 Dr. Anne Roberts is?
- 24 A Because I saw references to her in

- 1 something I read relatively recently.
- Q Did you read her report that she did
- in collaboration with Dr. Tom Kinney and
- 4 Dr. Sanjeeva Kalva?
- 5 A No, I did not.
- 6 Q That was not provided to you?
- 7 A I am not aware of that report.
- 8 Q And you are not even aware it exists?
- 9 A No, I shouldn't say that. I am aware it
- 10 exists because counsel discussed it with me
- 11 briefly yesterday, so I know it exists, but I
- haven't seen it or reviewed it.
- 13 Q You just knew -- you just found out
- 14 about it yesterday?
- 15 A Yes, I just found out about it recently.
- MR. LOPEZ: Okay. Can I have a copy of
- 17 that report?
- 18 BY MR. LOPEZ:
- 19 Q So is Dr. Roberts one of the authors of
- the SIR guidelines that we've been talking about?
- 21 A I don't know who all the contributing
- 22 authors were on the guidelines.
- Q Have you ever talked to any of the
- 24 authors of those guidelines?

- 1 filter being challenged by a clot and moving to
- 2 someone's heart and causing death?
- MR. ROGERS: Object to the form and
- 4 foundation.
- 5 THE WITNESS: I'm not aware of
- 6 Dr. Kinney's opinions.
- 7 BY MR. LOPEZ:
- 8 Q Well, didn't Bard represent to FDA that
- 9 a lot of the things they were telling FDA were as
- a result of consulting with their medical
- 11 consultants?
- 12 A You'd have to show me a particular
- representation to FDA that you're talking about.
- 14 O If FDA wanted to know what the
- acceptable rate of death was from a filter not
- staying where it was put when it got challenged by
- 17 a clot and causing death, and Bard knew that its
- 18 consultants were telling them that the
- 19 acceptability of that happening is zero, shouldn't
- 20 Bard have told FDA that?
- 21 A Can you repeat the question?
- Q If FDA wanted to know what the
- 23 acceptable rate of death was from a filter not
- staying where it was put when being challenged by

- 1 a clot and causing death, and Bard knew that its
- 2 consultants were telling them that the
- acceptability of that happening is zero, shouldn't
- 4 Bard have told FDA that?
- 5 MR. ROGERS: Object to the form.
- 6 THE WITNESS: You started off by saying
- 7 if FDA had wanted to know. So if FDA had wanted
- 8 to know, they would have asked. And if Bard had
- 9 information that said that it -- the acceptability
- was that it would be zero, then I would have
- expected them to share that with FDA, if FDA had
- 12 asked them that question.
- 13 BY MR. LOPEZ:
- 14 Q How many deaths were reported in the
- 15 2003 SIR -- I'm going to start saying SIR because
- 16 I do SRI all the time and mess that up. So if I
- 17 say "SIR guidelines," you'll know I'm talking
- 18 about S-I-R?
- 19 A Okay.
- Q Okay. How many deaths that were
- referenced in the SIR guidelines of 2003 were
- deaths caused by a device being challenged by a
- clot and embolizing to a patient's heart and
- 24 causing death?

- THE WITNESS: So I think you have to be
- 2 careful when you talk about design defects.
- 3 BY MR. LOPEZ:
- 4 Q Well, let's put it this way -- let me
- 5 put it this way. I'll withdraw the question.
- The only way for a warning to deal with
- 7 a design deficiency is for the warning to say: We
- 8 have a design deficiency. Wouldn't you agree?
- 9 MR. ROGERS: Object to the form.
- 10 BY MR. LOPEZ:
- 11 Q That's the warning.
- 12 A I think that you -- you have to be
- careful about making those generalizations. When
- you do a risk analysis, you look at a device.
- 15 Let's say you identify a potential risk to health.
- 16 Then the best thing to do is to design the device
- 17 to address it, to fix it.
- So I would agree that if you have a
- 19 risk, the best thing is to redesign it. If you
- 20 can't design it, you provide a work --
- THE REPORTER: Excuse me. Can you
- 22 please --
- THE WITNESS: Oh, I'm sorry. I know I'm
- doing it again. I'm sorry. All right. Let me

1 start --2 BY MR. LOPEZ: 3 Step back. Just slow down. Q 4 Α I'm hungry. 5 So when you design a device, and you 6 have a risk, ideally the best thing to do to 7 mitigate a risk is to design around it. You 8 design the device so the risk goes away. 9 Right. Q 10 Α If you can't do that, then you can 11 implement some kind of way to protect the person 12 against the risk. You put in a barrier or a quard 13 so you can't touch the heart -- the hot part. 14 Finally, if you can't do either one of 15 those things, you label around it. You say, 16 There's a risk here. We can't -- it's a risk we 17 have to accept, but we're going to label around it. 18 19 So, I mean, that's standard design considerations. 20 21 I'm going -- I'm going to hire you just 22 for that part of your testimony. Is that okay? 23 Can I do that?

MR. LOPEZ: I'm just kidding.

24

Let's

EXHIBIT 11

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IN THE UNITED STATES DISTRICT COURT
 1
                  FOR THE DISTRICT OF ARIZONA
 2
 3
     In Re Bard IVC Filters )
     Products Liability Litigation )
 5
     -----) No. MD-15-02641-PHX-DGC
 7
 8
                       Do Not Disclose -
           Subject to Further Confidentiality Review
 9
10
          This is the videotaped deposition of MURRAY R.
11
     ASCH, M.D., taken before Terry Wood, CSR, RPR, a court
12
     reporter, at Victoria Room, Residence Inn, 160
13
14
     Consumers Drive, Whitby, Ontario, Canada, on the 2nd of
    May, 2016, at 9:13 a.m..
15
16
17
          Reported by: Terry Wood, CSR (Ont.), RPR
                   Videographer: Jim Lopez
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Case 2:15-md-02641-DGC Subject to Further Confidentiality Review

will be noted on the stenographic record. Counsel, 1 also here in person will be noted on the stenographic 2 record. The court reporter is Terry Wood, and she will now swear in the witness. MURRAY R. ASCH, M.D., AFFIRMED; 5 EXAMINATION BY MR. BOATMAN: 6 Good morning, Dr. Asch. 7 Ο. Α. Good morning. 8 Q. Would you please state your full 9 name for the record? 10 My full name is Murray Ross Asch. 11 Α. And are you a medical doctor? 12 Q. Α. Yes, I am. 13 14 Q. Dr. Asch, we're here today to discuss the work you did for Bard from 1999 to about 15 2004. Can you please tell the jury what you did for 16 Bard? 17 I was involved in a pilot study to 18 Α. assess the safety and feasibility of retrieving a 19 new -- a newly designed IVC filter. 20 21 Q. And Dr. Asch, before we get into 22 that study, I'd like to ask you just a few questions about yourself. First, what kind of doctor are you? 23 I'm an interventional radiologist. 24 A.

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- 1 time the study was done, I was working at a
- 2 university-associated hospital. And I needed to submit
- 3 to my local hospital review ethics board.
- Q. And did you obtain the necessary
- 5 approvals?
- A. Yes, I did.
- 7 Q. Did anyone at Bard or NMT ever tell
- 8 you the purpose of the study was so that Bard could get
- 9 FDA clearance for the filter?
- 10 MR. NORTH: Objection to the form.
- 11 THE DEPONENT: That was never told to
- 12 me.
- BY MR. BOATMAN:
- Q. If Bard had told you that getting
- 15 FDA clearance was the purpose of the study, would you
- 16 have agreed to do the study?
- 17 A. I would have designed the study in
- 18 a different way.
- 19 Q. Did anybody at Bard ever tell you
- 20 how your study fit into the filter approval process?
- 21 A. The plan that was communicated to
- 22 me was I was going to do a pilot study to help open the
- 23 doors for a large multi-center American study, which
- 24 would then be utilized to obtain FDA approval.

1 Q. This is a get-the-ball-rolling study? 2 3 Α. Yes. MR. NORTH: Objection to the form. BY MR. BOATMAN: 5 How did Bard describe this initial 6 pilot study to you? 7 8 Α. Exactly as that, as an initial feasibility study, safety study, let's get the ball 9 rolling, let's see if this device will perform in 10 humans as it has in animals and in the lab. And then 11 once we know that it's safe, it will then be easier to 12 obtain approval for a real - a bigger study in the 13 14 United States. Are there ethical rules that govern 15 Q. studies like the one Bard asked you to conduct in this 16 case? 17 There are very strict ethical 18 Α. rules that govern all studies. 19 20 Ο. Does a doctor working with a 21 medical device company expect the company to be honest and transparent in working with you? 22 I absolutely expect that. 23 A. 24 Q. Do you expect the company

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retrieve the IVC filter without resultant damage to the 1 2. inferior vena cava. And what -- how successful, how did Q. 3 the study turn out as far as retrievability? It was very successful. We were 5 Α. able to retrieve virtually all of the filters that we 6 attempted to retrieve. 7 8 Ο. Were there complications with the filters you experienced in the study that were 9 independent of the retrievability aspect of the study? 10 Yes, there were complications 11 Α. related to the IVC filter. 12 What were those complications? 13 Ο. 14 Α. There was a filter migration, and one of the patients experienced filter fractures. 15 Did you also have a problem with 16 Ο. the splines twisting? 17 Yes. Early on in the study there 18 Α. was a problem with deployment as a result of the 19 insertion device, including splines twisting. 20 21 Q. And let's talk about the splines 22 twisting first. When did that happen in the study? That happened early on. 23 Α.

Ο.

Okay. And can you tell us what the

24

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- 1 A. Yes, I expressed those concerns.
- Q. Did Bard do a root-cause analysis
- 3 to try to determine the cause of the filter fracture in
- 4 patient 33?
- A. Yes, they did.
- Q. Did Bard -- did you get a copy of
- 7 that root-cause analysis?
- 8 A. I don't -- I don't recall receiving
- 9 a written root-cause analysis, but I do recall
- 10 conversations with them.
- Q. And I know there were several
- 12 people you were dealing with, but can you tell us
- 13 primarily who you were dealing with when you say you
- 14 had these conversations?
- 15 A. The main people -- the main person
- 16 I dealt was with Rob Carr because he was at NMT. He
- 17 was the engineer. He was most intimately involved in
- 18 the study.
- 19 Q. Did Bard determine the cause of the
- 20 two fractures in patient 33?
- MR. NORTH: Objection to the form.
- THE DEPONENT: What was communicated to
- 23 me was that there was potential weakness at the site of
- 24 the weld, and there was potential for increasing the

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robustness, if you will, of the device by manufacturing 1 it with larger diameter metal. 2. BY MR. BOATMAN: 3 Did Bard tell you they were going to change the design or manufacturing process to try to 5 prevent future filter fractures? 6 MR. NORTH: Objection to the form. 7 THE DEPONENT: That is my recollection. 8 BY MR. BOATMAN: 9 Q. And who told you that? 10 I believe it was Rob Carr. 11 Α. 12 Q. Did you trust Bard to have conducted a proper root-cause analysis as to the cause 13 14 of the fractures in patient 33? Yes, I expected that. 15 And did you trust Bard to make the 16 Ο. changes to the filter to prevent future fractures that 17 they told you they were going to make? 18 Yes, they had already made changes 19 based on the first spline problem we had. So I assumed 20 21 they would make changes based on this problem as well. 22 Q. Did anyone at Bard ever tell you that Kay Fuller had expressed concerns internally at 23 24 Bard, that Bard had not done a proper root-cause

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1 MR. BOATMAN: Objection. Beyond the 2. scope of direct. THE DEPONENT: I am aware that caval 3 perforation is a common complication of a variety of filters, but the essential thing to consider is that 5 there is a big difference between a complication or a 6 perceived complication we see at the time of an imaging 7 8 study and a complication that subsequently goes on to kill a patient. There are -- at a quick glance in 9 10 this article, I don't see any reference to any adverse events other than an imaging abnormality. No one died 11 and no unusual procedures had to be performed. 12 13 BY MR. NORTH: 14 Q. Doctor, did I understand your 15 testimony earlier in response to some of Mr. Lopez' questions to be that you do not believe Bard should 16 have sought FDA clearance for the Recovery filter or 17 begin selling the device commercially until it 18 conducted a more robust study than the one you 19 performed? 20 21 Yes. That is what I believe and that is what Bard had led me to believe at the time 22 they contacted me and asked me to be involved in this 23 24 study.

EXHIBIT 12

Murray R. Asch, MD, FRCPC

Index terms:

Embolism, pulmonary, 60.72 Venae cavae, filters, 982.1267 Venae cavae, interventional procedures, 982.1267

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Abbreviations:

DVT = deep venous thrombosis IVC = inferior vena cava PE = pulmonary embolism

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Author contribution:

Guarantor of integrity of entire study, M.R.A.

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Initial Experience in Humans with a New Retrievable Inferior Vena Cava Filter¹

PURPOSE: To evaluate preliminary clinical experience in humans with the Recovery nitinol filter (RNF) for the inferior vena cava, especially the efficacy of the device and safety of its retrieval.

MATERIALS AND METHODS: Thirty-two patients were followed up to assess for filter efficacy and for ability to remove the filter.

RESULTS: Sixteen men and 16 women aged 18–83 years (mean, 53 years) underwent treatment with the RNF. Indications for placement were recent pulmonary embolism (n=16), recent deep venous thrombosis (n=20), and/or prophylaxis (n=2). Four patients had contraindications to anticoagulant therapy, and four had complications from anticoagulant therapy. The filter was successfully placed in 32 patients. In 24 (100%) of 24 patients, the filter was successfully retrieved with a jugular approach. The mean implantation period was 53 days (range, 5–134 days). Trapped thrombus was seen within the filter in seven cases. In one patient with a large trapped thrombus, the filter was noted to have migrated 4 cm cephalad. There were no episodes of pulmonary embolism or insertion-site thrombosis.

CONCLUSION: This preliminary experience in humans confirms the efficacy of the RNF. It also demonstrates the feasibility and safety of retrieval up to 134 days after implantation.

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Anticoagulation is the accepted standard therapy in patients with venous thromboembolic disease. When contraindications to anticoagulant therapy are present, interruption of the inferior vena cava (IVC) can be performed to prevent the passage of large life-threatening emboli to the lungs. With the introduction of the Greenfield filter in 1973, placement of IVC filters has become accepted as the most common treatment alternative (1). Since the advent of devices that can be placed percutaneously, the number of filters inserted on a yearly basis has increased markedly (2,3). It has been specifically noted that there has been an increase in the implantation rate in young patients (2). Coincidentally, follow-up studies have revealed a 2%–19% incidence of late complications, often arising many years after filter placement (4,5). As the prevalence of patients with IVC filters has increased, so too have reports of guide wire entrapment with subsequent displacement of filters to the heart (6,7). Concerns about the long-term safety of IVC filters have resulted in the suggestion that permanent filters be avoided, especially in patients with a long life expectancy (8).

In many patients, the period of risk from anticoagulant therapy is relatively short. Other than the treatment of patients with widespread malignancy, there are few clinical situations that require placement of a lifelong IVC filter. Several studies have revealed that up to 30% of patients receive anticoagulant therapy following placement of an IVC filter (4,9). Decousus et al (10) demonstrated a reduction in the incidence of pulmonary embolism (PE) in patients with filters compared with patients treated with anticoagulant therapy at the 12-day mark, and no difference in outcome between patients with filters and those treated with standard anticoagulant therapy at 2 years. These researchers also observed an increased risk of recurrent deep venous thrombosis (DVT) in the patients treated with filter placement compared with those treated with anticoagulants alone (10). These data support the use of nonpermanent IVC filters.

There are two varieties of nonpermanent filters—temporary and retrievable. Temporary filters are attached to some form of tether, such as a guide wire or catheter, and thus must be removed (11). The anchoring mechanism of temporary filters often results in some degree of patient immobility and may also serve as a nidus for infection. If filter thrombosis occurs, a new, permanent filter must be placed. Retrievable filters may be left in place permanently or they may be retrieved, depending on what is appropriate for each individual clinical situation. Currently, the only retrievable device approved for use in Canada is the Gunther Tulip filter (Cook Canada, Stouffville, Ontario) (12,13). In their review of data from a multicenter registry, Lorch et al (14) state that filters that can be retrieved or left in place at the option of the physician would be an appropriate kind of temporary filter to use as long as the retrieval procedure was technically easy and had a low complication rate.

Although there are many differences between temporary and retrievable filters, all currently approved devices share a common limitation—length of residence prior to removal. Current instructions for use for most nonpermanent filters state that the filter must be removed within 10–14 days of placement. The predominant concern is the development of endothelialization, which would make subsequent removal impossible. Endothelialization has been shown to lead to explantation problems after as short a period as 12 days (15).

The Recovery nitinol filter (RNF) (NMT Medical, Boston, Mass), a retrievable IVC filter, is a new device (Fig 1). It is composed of 12 0.13-inch nitinol wires that extend from a nitinol sleeve. It has six arms and six legs. The resting diameter of each of the arms is 30.5 mm; the resting diameter of each of the legs is 32 mm. The filter measures 4 cm in height. It has undergone benchtop and animal testing since 1998. On the basis of the evidence that the filter is safe, effective, and retrievable up to 22 weeks after insertion, the purpose of this study was to evaluate our preliminary clinical experience with the efficacy of this filter and the safety of its retrieval in humans.

MATERIALS AND METHODS

Patients and Filter Insertion

Thirty-four consecutive patients who required an IVC filter and who were anticipated to return to anticoagulant ther-

apy 10 days to 12 weeks after the procedure or to not require anticoagulant therapy for 10 days to 12 weeks were selected to receive an RNF between April 2000 and November 2001. Patients were considered for placement of this filter only if their estimated life expectancy was greater than 2 years. Retrieval was planned for all patients. The device was released for use on a special-access basis by the Health Protection Branch of the federal government of Canada, in Ottawa, Ontario, and its use was approved by the University of Toronto ethics department and by the institutional review board. Informed consent was obtained from all patients. Specifically, the option of placement of a permanent filter or an approved removable filter such as the Gunther Tulip retrievable filter (Cook Canada) was offered.

The filters were placed at multiple sites of a multiinstitutional medical imaging department by a single staff vascular and interventional radiologist (M.R.A.). The timing of filter removal was coordinated with the referring physician and/or with special referral to a hematologist. The decision regarding return to anticoagulant therapy was usually made by the referring physician on the basis of his or her assessment of the risk of bleeding versus concern regarding propagation of lowerextremity DVT. All 32 patients who received filters (two patients were found to have anatomic conditions unfavorable for filter placement) had the decision to return to anticoagulant therapy made for them in this fashion. In cases in which it was deemed that filter removal had to be postponed beyond 12 weeks for a medical indication, specific approval from both the ethics department and the Health Protection Branch was sought and

All procedures were performed with standard sterile technique. Conscious sedation was achieved with midazolam (Versed; Sabex, Boucherville, Quebec, Canada) and fentanyl citrate (Sublimaze; Faulding, Dorval, Quebec, Canada), which were simultaneously administered at the patient's request. All devices were placed via the femoral vein on the side contralateral to the side of venous thrombosis, if present. Access was obtained with realtime ultrasonographic (US) control and a 19-gauge single-wall puncture needle (Cook Canada) after local anesthetic with 1% xylocaine (Lidocaine; AstraZeneca, Mississauga, Ontario, Canada) had been applied to the puncture site. A 5-F pigtail catheter (Cook Canada) was subsequently advanced over a 0.035-inch standard J-tip guide wire (Cook Canada), and

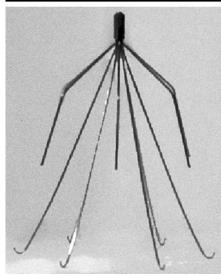


Figure 1. RNF retrievable IVC filter. (Original magnification, $\times 3$.) The device is manufactured from nitinol wire of 0.013 inch in diameter. It is 4 cm in height, and the base can accommodate a vena cava up to 28 mm in diameter. There is dual-level filtration from both the arms and the legs.

digital subtraction angiography of the IVC was performed in frontal and lateral projections with hand injection only. The IVC was measured in both planes with a ruler, a dime, or a calibrated catheter and was assessed for duplication and thrombosis. The number and position of the renal veins were also noted. Selective renal vein catheterization was not performed. The filter was not placed if the corrected diameter of the vena cava exceeded 28 mm.

In a single instance, the filter was placed by means of a portable C arm in the intensive care unit as a result of concern that this ventilated patient could not tolerate transfer to the interventional suite. In this case, right-sided access was impossible because of the presence of a previously unsuspected iliac venous thrombosis. There was an indwelling left femoral venous line, so a new, separate left femoral puncture was performed. This patient was already undergoing prophylactic broad-spectrum antibiotic therapy for his underlying condition, and he did not subsequently develop signs of sepsis secondary to the procedure.

Following placement of the 6-F introducer sheath, the filter was advanced and deployed with a technique similar to that used with the Simon nitinol filter (NMT Medical). The sheath and filter reservoirs were primed with a standard heparin and saline flush prior to placement. Neither a

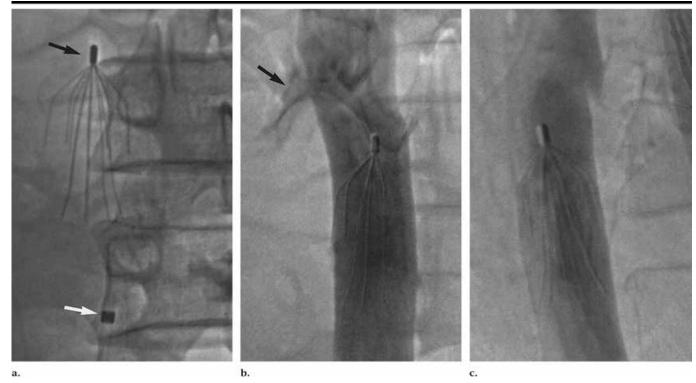


Figure 2. Vena cavograms depict filter placement. (a) Frontal scout view obtained just before the postinsertion vena cavogram shows the highly visible nitinol RNF filter with its tip at the L1-2 interspace (black arrow). Note the radiopaque marker band on the tip of the insertion sheath (white arrow). (b) Frontal postinsertion vena cavogram demonstrates that the filter is aligned with the caval axis, with its tip approximately 1 cm caudal to the right renal vein (arrow). (c) Lateral vena cavogram demonstrates alignment in this plane as well.

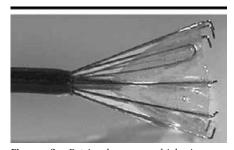


Figure 3. Retrieval cone, which is constructed with nine metal claws covered by a urethane cover. The open diameter of the cone is 15 mm. A central lumen allows for over-the-wire placement. The cone is inserted via the jugular vein through a 10-F profile catheter with a radiopaque band on its end.

drip infusion nor iced saline was used. The filter was released by maintaining the position of the pusher while retracting the sheath at the target site. This filter does not shorten when it opens; this allows for accurate deployment at the target. Follow-up digital subtraction angiography of the IVC was performed in both frontal and lateral projections to assess for filter alignment with the caval axis and to confirm the position of the filter with respect to the renal veins (Fig 2).

The sheath was then removed, and hemostasis was achieved. Subsequent anticoagulant therapy was commenced at the discretion of the referring physician.

Filter Removal

Filter removal was performed when it was deemed that the patient could safely resume full and uninterrupted anticoagulant therapy. In some patients, a trial of anticoagulation was performed before planned filter removal to avoid the need for filter reinsertion. Any anticoagulant therapy was subsequently reversed at the time of removal. Therapy with warfarin sodium (Coumadin; DuPont Pharma, Mississauga, Ontario, Canada) was maintained before scheduled filter removal until the international normalized ratio was less than 1.3. In patients receiving dalteparin sodium (Fragmin; Pharmacia, Mississauga, Ontario, Canada), the scheduled dose prior to filter removal was withheld.

Removals were performed with standard aseptic technique and conscious sedation protocols similar to those used in filter insertion. All procedures were performed via the right jugular vein with

real-time US control. Initially, a 5-F pigtail or multipurpose catheter, advanced over a guide wire, was placed in a location below the filter so that digital subtraction angiography of the vena cava could be performed in both frontal and lateral projections. The angiograms were assessed for filter position and tilt with respect to the caval axis and to identify trapped thrombus. Following insertion of a 0.035-inch Amplatz extrastiff straight guide wire (Boston Scientific, Mississauga, Ontario, Canada), the 10-F retrieval sheath was placed. It was occasionally necessary to predilate the tract with a 10-F Coons dilator (Cook Canada). The retrieval cone (Fig 3) was then advanced through the sheath and docked with the filter tip so that the filter could be retracted into the sheath and removed.

It was sometimes necessary to advance a 0.035-inch angled guide wire (Terumo; Sultzer Medical, Mississauga, Ontario, Canada) or a 5-F multipurpose catheter (Cook Canada) to facilitate the docking procedure. The guide wire could be advanced through the central lumen of the retrieval cone, whereas the 5-F multipurpose catheter could be introduced through

the retrieval sheath. With increased experience, the procedure was changed so that the initial catheter was selectively placed toward the side of the filter at which the shortest distance between the filter tip and the caval wall was seen at the time of initial angiography. The retrieval sheath was subsequently advanced over a 260-cm-long Amplatz wire. With this technique, any subsequent additional manipulations to dock the cone and filter became unnecessary.

Following removal, a repeat vena cavogram was obtained to assess for procedural trauma or any other complication related to filter residence. The filters were examined for trapped thrombus, endothelium formation, and mechanical damage. The sheath was then removed and hemostasis was achieved. Anticoagulant therapy was restarted under the direction of the referring physician or attending hematologist. The filters were returned to the manufacturer (NMT Medical) so that a complete assessment of device integrity could be performed.

Follow-up

Abdominal radiography 1 and 7 days after placement, then yearly, was recommended per our protocol for follow-up after placement of permanent IVC filters. No other routine follow-up imaging studies were performed because this device was placed on a compassionate basis, not under the confines of a scientific study protocol. However, in any patient in whom an adverse event was clinically suspected, appropriate imaging studies were performed (Fig 4). In patient 10 and all subsequent patients, routine follow-up abdominal radiographs were obtained to assess for possible filter migration. This change in protocol was instituted after identification of an episode of asymptomatic migration of the filter in patient 9. It was specifically requested that these radiographs be sent directly to the author to enable direct comparison of the position of the filter on subsequent radiographs with its position on radiographs obtained at the time of placement.

Several of the patients in this series underwent repeat radiologic examinations after filter removal as part of their routine medical care. When available, images from these examinations were evaluated to identify any postinsertion or removal complications. Clinical follow-up of patients after filter removal was achieved by means of the author's review of subsequent, forwarded medical notes or by direct telephone contact with the

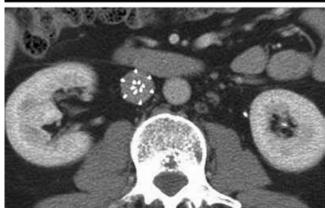


Figure 4. Follow-up transverse contrast material—enhanced spiral computed tomographic (CT) scan obtained as part of this patient's routine medical care 2 weeks after placement of an RNF shows the filter to be in good position, with no associated complication.

patient. On all images, filters were evaluated for tilt, migration, trapped thrombus, and caval perforation. During follow-up visits, patients were evaluated for signs or symptoms of insertion-site or vena caval thrombosis and PE. All radiologic images were evaluated by the author, and all clinical examinations were performed by the referring physician.

RESULTS

Placement of a temporary filter was requested in a total of 34 patients. In one patient, the corrected caval diameter measured 33 mm on the vena cavogram. The referring physician did not want placement of a permanent filter, so no filter was placed in that individual. In one patient with DVT who was scheduled for orthopedic surgery, there was congenital interruption of the vena cava with hemiazygous continuation, so no filter was placed. In all other instances, patients consented and received the RNF (Table 1). Mean patient age was 53 years (range, 18-83 years). There were 16 male and 16 female patients. A diagnosis of DVT was confirmed with color Doppler US in 23 patients; 18 patients had rightsided DVT, and five patients had leftsided DVT. A diagnosis of PE was confirmed in 15 patients at CT angiography.

In four of 26 patients in whom anticoagulant therapy was contraindicated, it was contraindicated because of an underlying coagulopathy. In two patients anticoagulant therapy was contraindicated because the patient had recently undergone surgery, and in 18 patients it was contraindicated because the patient was scheduled to undergo surgery. Four pa-

tients had experienced a complication during anticoagulant therapy. In two patients at high risk for PE, filters were placed prophylactically. One filter was placed in a patient with pulmonary hypertension and multiple pulmonary emboli. Filters were placed in two patients in whom pulmonary CT angiograms were initially interpreted as positive for PE by the on-call body imaging staff but in whom final dictated radiology department reports indicated no PE. One of these patients had a remote history of DVT, so the filter was temporarily left in place. In the other patient there was no evidence of DVT, so the filter was removed at 5 days.

Sixteen patients had been given an underlying diagnosis of malignant neoplasm. Patients were referred from the departments of orthopedic surgery (n = 9), surgical oncology (n = 6), general surgery (n = 3), respirology (n = 3), intensive care (n = 2), internal medicine (n = 4), nephrology (n = 2), cardiology (n = 1), neurosurgery (n = 1), and medical oncology (n = 1) (Table 2). Fifteen patients (47%) received concomitant anticoagulant therapy for some period of time while the filter was in place.

Filter Insertion

In one instance, the filter could not be advanced through the introducer sheath. It was unclear whether the problem was that the filter had been loaded incorrectly into the sheath at the time of packaging or if there was inadvertent disengagement of the pusher at the time of insertion. In that patient, the sheath was removed, a new puncture was made, and

TABLE Patient							
Patient No./Age		Proven	Proven		Filter Retrieved, Duration of Filter	Confirmed Trapped	D.:
(y)/Sex	Underlying Diagnosis	DVT	PE	Indication for Filter Placement	Presence (d)	Thrombus	Patient Outcome
1/55/M	Colon cancer	Yes	Yes	Placed after resection for possible repeat surgery for small bowel obstruction	Yes, 10	Yes	No disease progression
2/35/F 3/78/F	Leukemia Colon cancer	Yes Yes	No Yes	Thrombocytopenia, respiratory failure Placed before bowel resection	No, 41 Yes, 29	No No	Deceased No disease
4/22/F	Pyonephrosis	No	Yes	Bilateral nephrostomy, then lithotripsy	Yes, 50	No	progression Resolution of disease
5/28/M	sarcoma	Yes	No	Gastrointestinal bleeding (spontaneous)	Yes, 75	No	Stable
6/30/M 7/84/M	Mesenchymal sarcoma Hip fracture, stroke, bladder outlet obstruction	Yes Yes	Yes No	Placed before resection of primary pelvic tumor Femoral pseudoaneurysm secondary to carotid stent placement	No, 59 Yes, 83	No No	Deceased Ongoing bladder problems (prostar hypertrophy)
8/58/F	Polyarteritis, pulmonary aspergillosis	Yes	No	Gastrointestinal bleeding secondary to gastric erosions	No, 15	No	Deceased
9/61/M	Coronary artery disease, myocardial infarction	Yes	Yes	Puncture-site complication following emergency coronary artery stent placement (large retroperitoneal hematoma); filter placed before surgical repair and vascular grafting	Yes, 17	Yes	Stable
10/29/F	Chronic renal failure, renal transplant, acute thrombocytopenia secondary to Escherichia coli infection	Yes	No	Intraabdominal bleeding after hemicolectomy, thrombocytopenia, and acute renal failure (of transplant)	Yes, 34	Yes	Complete recovery or renal function, reversal of iliostomy
11/70/M	Chrondrosarcoma	Yes	No	Placed before resection of primary tumor	Yes, 65	No	Tumor free
12/37/F	Postpartum hemorrhage, multisystem failure	Yes	No	Cardiac arrest, liver and renal failure, fourth- degree vaginal tear with bleeding	Yes, 21	No	Recovered
13/32/F	Osteosarcoma	Yes	No	Placed before resection of primary tumor	Yes, 71	No	Tumor free
14/67/F	Pelvic sarcoma	Yes	No	Placed before resection of primary tumor with vascular reconstruction	Yes, 55	No	Developed metastat disease
15/71/F	Lymphoma	No	Yes*	Chemotherapy, thrombocytopenia	Yes, 5	No	Remains in hospital with multiple medical problems
16/50/M	Chronic renal failure but no dialysis	Remote history of DVT	Yes*	Development of buttock hematoma during warfarin therapy (international normalized ratio, 2.3)	Yes, 70	No	Resolution of disease
17/33/M	Crohn disease	Yes	No	Intraabdominal abscess; filter placed before percutaneous drainage and bowel resection	Yes, 40	No	Resolution of disease
18/46/F	Retroperitoneal sarcoma	Yes	No	Placed before surgical resection of primary tumor	Yes (surgically), 11	No	Stable
19/44/M	Lung cancer	No	Yes	Placed before surgical resection of primary tumor	Yes, 61	No	Tumor free
20/77/F	Colon cancer	No	Yes	Gastrointestinal bleeding during warfarin therapy; filter placed before surgical resection of primary tumor	Yes, 49	Yes	Stable
21/70/F	Colon cancer	No	Yes	PE 3 mo before planned liver resection	Yes, 21	Yes	Stable
22/65/M	Pelvic chondrosarcoma	Questionable [‡]	No	Placed before surgical resection (patient thought to be at high risk for postoperative DVT given planned vascular reconstruction)	Yes, 14	No	Tumor free
23/49/M	Pulmonary hypertension	Yes	Yes	Newly diagnosed pulmonary hypertension thought to be because of recurrent PE, poor pulmonary reserve	Yes, 77	No	Stable; being considered for embolectomy†
24/47/F	Squamous cell carcinoma of anus	Questionable [‡]	No	Placed before surgical biopsy of pelvic nodal mass	Yes, 134	No	Slowly progressive metastatic disease
25/74/F	Periprosthetic fracture	Yes	No	Placed before surgical revision	Yes, 91	Yes	Recuperating [†]
	Total knee replacement	Yes	No	Postoperative bleeding at surgical site	Yes, 103	No	Ongoing bleeding; anticoagulant therapy stopped [†]
	Periprosthetic hip fracture		Yes	Placed before surgical revision	Yes, 91	No	ND§
	Osteoarthritis	Yes	No	Placed before total hip replacement	Yes, 83	No	ND§
	Leg osteosarcoma Cerebral palsy	No No	Yes Yes	Chemotherapy followed by surgical resection Upper gastrointestinal bleeding secondary to	na Na	NA NA	na Na
	Hemorrhagic stroke	Yes	Yes	severe esophageal ulceration Hemorrhagic stroke	NA	NA	NA
32/35/M	Subdural hematoma	No	Yes	Recent neurosurgery	NAII	NA	NA

^{*} On false-positive CT scan.

[†] At time of writing.

[‡] At magnetic resonance (MR) imaging.

[§] ND = no data.

 $^{\|}$ NA = not applicable (filter in place at time of writing).

a filter was placed without further difficulty. In another case, the filter was incompletely advanced out of the sheath, causing the leg hooks to engage the sheath. It was possible to recapture the filter tip with the stabilizer arm and then push the filter out of the sheath. This filter did remain in an infrarenal position. All other filters were placed in an infrarenal position without incident. Twenty filters were placed via the left femoral vein, and 12 were placed via the right.

In the placement of 17 (74%) of the first 23 filters, there was some difficulty in releasing the filter legs from the splines of the stabilizer arm. This was overcome by moving the introducer sheath in a gentle twisting motion. This problem had not been encountered in animal testing. Investigation by employees of NMT Medical revealed that the polishing process during manufacturing resulted in a "rolling over" of the edges of the splines, which caused the filter legs to tend to catch when the device was angulated at the time of attempted release. After the tumbling process was changed, the release problem did not recur.

Tilt of the filter with respect to the caval axis (defined as tilt $> 15^{\circ}$) was encountered in two (6%) of 32 deployments. The tilt was 20° and toward the side contralateral to the venous puncture in both cases. Each instance of tilt occurred in the first 23 placements, with associated difficulty in release from the splines.

Complications and Filter Removal

No patient developed a substantial puncture-site hematoma or any other complication related to filter insertion or removal. No patient developed symptomatic PE or insertion-site DVT following filter placement or removal (Table 3). One patient with a preoperatively placed filter experienced left-sided hemiplegia 10 hours after surgical revision of a fractured hip prosthesis. Her symptoms completely resolved, and a thorough neurologic evaluation revealed that she had had a transient ischemic attack unrelated to the filter. The filter in this patient was found to contain a small thrombus at the time of an abdominal CT examination.

Thrombus trapped within the filter was encountered in five additional patients at the time of filter removal, for a total of seven (22%) of 32 patients. In three patients the thrombus burden was small, and the filters were removed with a standard technique and the standard retrieval

sheath (Fig 5). Two filters were found to contain a large thrombus at the time of elective removal. In one patient, the filter was also noted to have migrated approximately 4 cm cephalad at the time of planned elective removal 17 days after insertion (Fig 6a, 6b). In retrospect, a lesser degree of migration was noted on a follow-up abdominal radiograph that had been obtained 4 days earlier; however, the migration had not been indicated in the typed radiology report.

After extensive discussion with the patient and referring physicians, it was decided that filter removal should be attempted. In this case, a 20-F vascular sheath (Cook Canada) was inserted and the RNF sheath was placed through it. The filter and thrombus were removed together (Fig 6c-6e). Although the patient was asymptomatic, CT angiography of the pulmonary arteries and CT venography of the IVC were performed to assess for local residual thrombus or PE. No evidence of either was seen. Two other patients underwent CT angiography of the pulmonary arteries at the time of filter removal (one filter had a trapped clot, and one did not); there was no evidence of PE in either of these patients.

Three patients died of their underlying disease with the filter in place 15 to 59 days (average, 38 days) after placement without clinical evidence of PE. Autopsy information was not available for any of these patients. One filter was removed intraoperatively as a result of a surgical mishap during attempted resection of a large retroperitoneal sarcoma. Twentyfour filters were removed 5-134 days (mean, 53 days) after insertion; as of this writing, four remain in place for planned removal. All attempted filter removals were successful (Fig 7). Once the sheath was in place, filter retrieval always took less than 2 minutes. Several patients noted momentary mild epigastric or back pain at the time the filter was removed. Otherwise, the majority felt only some manipulation of the jugular venous sheath.

Follow-up

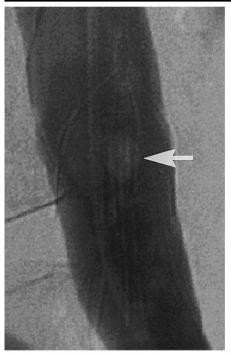
Many patients continue to undergo medical and radiologic follow-up as a result of their underlying disease process (Table 4). Records from medical visits and/or abdominal CT examinations were available in 22 (92%) of the 24 patients who had undergone filter removal. The average length of follow-up was 223 days (range, 4–522 days). Follow-up data included information obtained from ab-

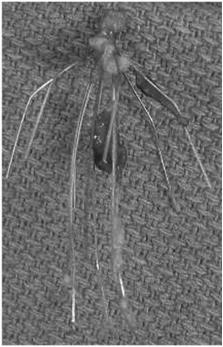
TABLE 2 **Patient Demographics** Characteristic No. of Patients Diagnosis DVT PE 15 Reason for filter placement Anticoagulant therapy contraindicated 26 Anticoagulant therapy had resulted in complications Coagulopathy 4 2 Prophylaxis Poor pulmonary reserve Subsequent surgery 18 Referring department Orthopedic surgery 9 Surgical oncology 6 Internal medicine 4 General surgery Respirology 3 2 2 Intensive care Nephrology Neurosurgery Medical oncology Cardiology

TABLE 3 Number of Patients with Complications	
Complication	No. of Patients
Failure (PE with filter in place)	0
Insertion site thrombosis	0
IVC thrombosis	0
Filter migration (>2 cm)	1
Filter tilt (>15°)	2

dominal CT examinations in seven patients, chest CT examinations in four patients, and clinical care visits or telephone interviews in 20 patients. One patient developed clinical symptoms suggestive of PE 133 days after filter removal. However, repeat CT angiography of the lungs did not depict PE.

As of this writing, no other patient has developed clinical symptoms or imaging findings suggestive of PE, recurrent DVT, or any caval abnormality. One patient experienced recurrent hemorrhage at the surgical site (of a total knee replacement) 8 days after the filter was removed and therapy with dalteparin sodium had been reinstituted. This patient had previously tolerated a 2-week course of dalteparin sodium before filter removal. The indication for filter placement in this patient was PE without documented DVT. Because it had been 100 days since PE occurred, the attending hematologist believed it was safe to discontinue anticoagulant therapy.





a. b.

Figure 5. Thrombus removal. (a) Vena cavogram obtained with a 5-F multipurpose catheter inserted via the right internal jugular vein at the time of filter removal (10 days after placement) reveals a small trapped embolus within the filter (arrow). (b) Gross specimen obtained after removal of filter and embolus with a standard 10-F sheath. Note embolus trapped by filter legs.

DISCUSSION

The RNF IVC filter is manufactured by NMT Medical. Constructed of nitinol, this filter is modeled after the dual-level structure of the Simon nitinol filter, which NMT Medical also manufactures. Several designs of a temporary retrievable filter were investigated before the current design for the RNF was conceived in 1998. One of the key features of the RNF that allows for retrieval many months after implantation is the hook design. The hooks of this filter were specifically designed, modeled, and tested to resist filter migration. The RNF underwent extensive benchtop and animal evaluation before it was first placed in a human patient (16).

Interest in a retrievable IVC filter has intensified since the first reported successful retrieval of an Amplatz filter (William Cook Europe, Bjaeverskov, Denmark) by Darcey et al in 1986 (17). However, this device was withdrawn from sale as a result of a high rate of vena caval thrombosis (18). There are currently a variety of tethered removable filters available in North America; however, they are not commonly placed as a result of their intrinsic design limitations.

The medical need for a retrievable filter design is demonstrated by the off-label use of currently approved permanent filters. Cope et al (19) described partial deployment of a Bird's Nest filter (Cook, Bloomington, Ind) during thrombolysis of iliocaval thrombus. The filter was safely removed 6.5 hours later (19). More recently, Nutting and Coldwell (20) completely deployed a TrapEase filter (Cordis, Miami, Fla), also for temporary protection during thrombolysis. Nutting and Coldwell described using a combined jugular and femoral venous approach to retrieve the filter after the procedure (20).

Although these maneuvers have proven to be successful in these case reports, they clearly contravene the manufacturer's instructions for use and place the patient at risk for a complication or failure of removal. A more common indication for filter removal is filter migration, either occurring at the time of implantation or seen at follow-up (21-23). Perhaps less common as an indication for removal is filter infection. Millward et al (24) reported a death attributed to an infected filter (Vena Tech; B Braun, Mississauga, Ontario, Canada). More recently, Lin et al (25) reported the successful removal of an infected Gunther Tulip filter 14 days

TABLE 4 Patient Follow-up	
Outcome	ı

Outcome	Patients
Intraoperative filter removal Death Percutaneous filter removal Follow-up visit, follow-up radiology Clinic visit CT of abdomen CT of thorax	1 3 24 22* 20 7 4

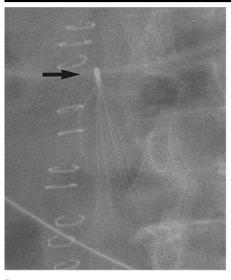
Note.—Thirty-two filters were placed in 32 patients.

after implantation. Another indication well suited for a retrievable IVC filter is that of trauma (26,27).

The Gunther Tulip filter was approved for both permanent placement and retrieval in Canada in March 1998. In the United States, it is approved for permanent use. Although the instructions for use state that the filter should be removed by 10 days, Millward et al (28) have reported removal up to 25 days after implantation. However, in an earlier animal study, one of 21 Gunther Tulip filters could not be retrieved 14 days after insertion as a result of adherence to the caval wall (29). Recently published data from the registry of the Canadian Interventional Radiology Association regarding the placement of 91 Gunther Tulip filters currently represent the most extensive experience with that device (28). In that series, one filter could not be retrieved because the hook could not be engaged by the snare. Fifty-two filters were successfully removed at a mean of 9 days after placement. Of the 37 patients who were followed up, four required reinsertion of a permanent filter at a mean of 78 days after removal. Filters were not removed from 17 patients as a result of ongoing contraindications to anticoagulant therapy (28). These results support the need for a filter that can be removed well beyond a 10-15-day window.

The perfect temporary IVC filter would be one that has high clot-trapping efficacy but a low incidence of caval thrombosis. It would have to be nonmigratory yet be able to be retrieved at a time distant from the time of insertion. Finally, there should be no external tether to limit patient mobility or serve as a nidus for infection. While intimal hyperplasia is expected to occur with any implanted device, there are filter design factors that

^{*} Follow-up records were available in only 22 of the 24 patients who underwent percutaneous filter removal.



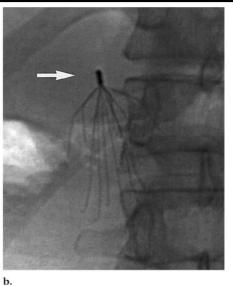
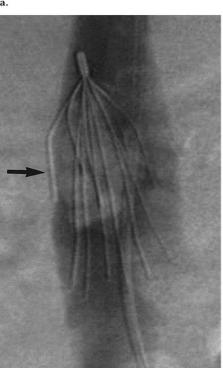
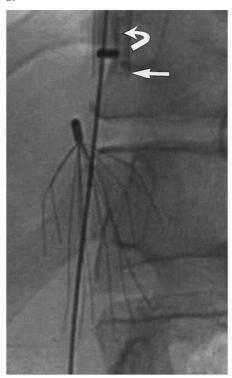


Figure 6. Filter migration and clot capture. (a) Abdominal radiograph obtained 1 day after filter placement shows that the filter tip is at the level of the pedicle of L1 (arrow). The surgical clips are from vascular repair after coronary artery stent placement, which was performed prior to filter placement. (b) Routine abdominal radiograph obtained 5 days after filter placement shows that the filter tip is now at the level of the pedicle of T12 (arrow). (c) Vena cavogram obtained at the time of planned filter removal 17 days after placement shows a large embolus within the filter (arrow). Note flow defect from left renal vein. (d) Frontal image shows that the 10-F removal sheath (curved arrow) has been advanced over an Amplatz wire and inserted through a 20-F vascular sheath (straight arrow) for filter retrieval. (e) Gross specimen of filter and trapped clot. The filter deformity occurred at the time of removal from the sheath.







c. d.

would limit the associated adverse effects. It is the author's hypothesis that the ability to retrieve a filter without concern for the amount of hyperplasia requires a filter to have little metal in contact with the caval wall.

Filter design is also important. If one looks at the design of the Gunther Tulip filter or the TrapEase filter, it becomes evident that the complex metal matrix would serve to anchor the filter in place when hyperplasia occurs. On the other hand, the design of the RNF allows for

the filter arms to slide out of any potential sleeve once the elastic leg hooks have been removed from the caval wall. The animal data demonstrating the ability to remove an RNF at 22 weeks, coupled with the fact that one was removed from a human at 134 days, suggest that there is no upper limit to the time of retrieval with the current design. In contrast, studies of virtually all other filter designs included cases in which the filter could not be removed 2 weeks after insertion (15,29). Given that intimal hyperplasia stabilizes at

approximately 3–6 weeks, one would expect that beyond that time filter fixation is not an issue.

e.

The simple fact that a retrievable device is available is of limited clinical importance if that device must be removed by 10–15 days after placement. In the ideal situation, a patient could safely undergo anticoagulant therapy after surgery. However, even from this relatively small series, it is clear that many patients have more complex situations and require a much longer period of time before they can be

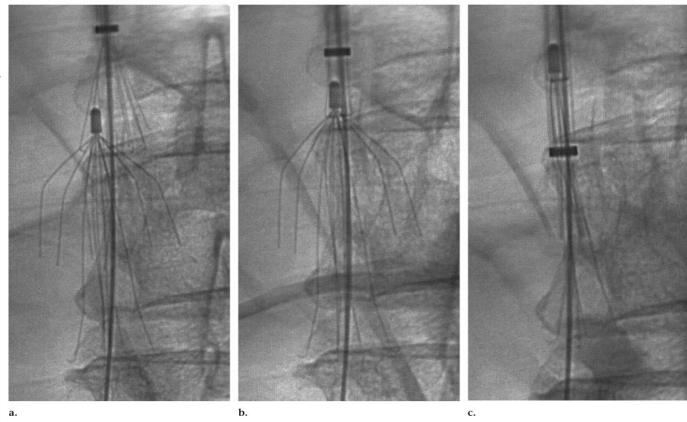


Figure 7. Sequence of vena cavograms illustrates the technique of removing a filter with a wire. (a) The retrieval cone is advanced over a wire, (b) the filter arms are engaged, and (c) the filter is retrieved.

maintained on uninterrupted therapeutic doses of anticoagulants. Several of the patients referred from orthopedics who underwent routine surgery to install a joint prosthesis had not resumed full ambulation even at 90 days after filter placement. Patients referred from general surgery often require follow-up procedures (such as percutaneous abscess drainage or a second surgical procedure) after surgery.

Although the most common device used for percutaneous removal of foreign bodies is some type of snare, techniques used with this device are not always successful. In the series of Millward et al (28), there was one failed retrieval as a result of the position of a Gunther Tulip filter hook with respect to the caval wall. In spite of moderate angulation in several cases in this series, all filters were easily and successfully retrieved. The urethanecovered claws modeled into a cone shape enabled the efficient engagement and retrieval of the RNF. The ability to pass a 0.035-inch wire through the central lumen of the cone greatly facilitated the docking procedure when there was no straight-line access to the filter tip. As our experience grew, changes in technique

occurred. During the final four retrievals, the catheter was intentionally manipulated toward the side of filter tilt and the cone was always advanced over a wire. In this way, no additional maneuvers were required to engage the filter and cone.

There was a single occurrence (3%) of asymptomatic filter migration in this series of 32 patients. Migration is typically defined in the literature as movement greater than 2 cm. The reported incidence has been shown to vary between less than 1% and 13% and typically includes spontaneous migration to the heart (4,24,30,31). In our study patient, the filter was seen to be in a position several centimeters cranial to the insertion position on the radiograph obtained 5 days after insertion. However, the typed radiology report simply stated "An IVC filter is in place." At the time of planned removal at 17 days, the filter was seen to have migrated an additional 2 cm craniad. The vena cavogram obtained before removal revealed a large trapped embolus. It was possible to remove this filter and trapped embolus with the standard retrieval cone introduced through a 20-F sheath. That event was reported to the Health Protection Branch and to our institutional review board, and the consent form was subsequently modified to include information on it.

As a precaution, all subsequent patients underwent follow-up abdominal radiography to assess for filter migration. This fact was emphasized to both the referring physician and the patient. It was requested that all radiographs be sent directly to the author so that he did not have to rely on the dictated report. No other instance of filter migration was encountered. In one patient, several filter arms were seen to lie outside of the vena cava (at venography and CT). However, this patient was asymptomatic, and the filter was easily removed (at 134 days). This patient had undergone an abdominal surgical procedure 2 days after filter placement. Filter penetration of the caval wall has been reported to occur with an incidence of 9% (4).

Although in the present study, filters were placed on a compassionate basis—outside a formal scientific trial—patients were followed up prospectively. Given that this study represents the initial human use of a new medical device, pa-

tients were also promptly and thoroughly examined for any questionable complication. A number of patients underwent CT examination of the abdomen after filter placement and removal to assess for local complications; none was encountered.

In this series of 32 patients, filter efficacy was demonstrated by the fact that there were no episodes of PE and that trapped embolus was seen within the filter in seven cases. Complications such as caval occlusion or insertion-site thrombosis did not occur. The filter was successfully removed in all patients, even when a large trapped thrombus was present. The average time to filter removal in our experience (53 days) is well beyond the residence period for other removable/retrievable filters. The complexity of the clinical situation in these patients is shown by the need to maintain the filter in place for more than 100 days in two of our patients. The ability to remove this filter after such lengthy residence will likely prove to be important and will allow the majority of patients to receive a temporary filter instead of the permanent device used as part of the current standard of treatment. A large multicenter scientific study is warranted to further substantiate the role and value of this retrievable filter.

In conclusion, this preliminary, special-access use of the RNF, a retrievable IVC filter, suggests that the filter can easily be delivered via a femoral vein. It can be removed percutaneously up to 134 days after insertion without difficulty. No substantial complications were encountered in this series. Specifically, there were no documented incidents of PE, caval thrombosis, or insertion-site DVT with the filters in place. Retrieval via the jugular vein allows for removal of filters with small-to-large trapped thrombi.

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EXHIBIT 20

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Page 1
              UNITED STATES DISTRICT COURT
              CENTRAL DISTRICT OF ILLINOIS
HENRY KILVER AND JUDY
                            )
KILVER, individually and
as husband and wife,
          Plaintiffs,
                            ) No. 1:13-CV-01219-MMM-JAG
     vs.
C.R. BARD, INC., a
foreign corporation, BARD
PERIPHERAL VASCULAR, INC., )
an Arizona corporation,
and does 1 through 100,
inclusive,
          Defendants.
                VIDEOTAPED DEPOSITION OF
                       Robert Carr
                    Phoenix, Arizona
                    December 19, 2014
                        8:04 a.m.
LEO T. MANKIEWICZ, CR, RMR, CRR
Arizona Certified Reporter
Certificate No. 50778
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Page 120 vena cava distension, does not make a device safer? 1 2 MR. LERNER: Objection to form. THE WITNESS: I'm saying that that is a 3 contributor to it. There are many other things that 4 5 went into those -- to the design to resist migration. BY MR. BRENES: 6 Okay, and you refuse to admit it makes the 7 8 device safer. I refuse to admit, on its own, it makes the 9 10 device safer. There are other things that go into it. 11 Okay. Let's talk about, what other things 12 help prevent migration, in the event of vena cava distension? 13 The strength of the hooks, the shape of the 14 hooks, the engagement into the wall, how it distended, 15 where it distended, what caused the distension. 16 17 Okay, the last three things you just said 18 aren't design issues, are they? 19 Of course they're design issues. Α Okay. Sir, what changes were made between the 20 21 Recovery and the G2 filter to prevent the device from migrating as much as of the Recovery Filter did? 22 23 MR. LERNER: Objection to form, outside the 24 scope of the notice.

```
Page 121
1
              THE WITNESS: The arms were made longer, the
    resting diameter of the filter was made larger than the
2
3
    Recovery --
4
    BY MR. BRENES:
5
         The leg span?
              The resting leg span, yes. Not the -- the
6
7
    hooks were changed. The diameter of the wire was
    increased.
8
9
         And that's on the hooks?
10
         A Yes.
11
              Because that makes them stronger and more able
         Q
12
    to resist a clot challenge, correct?
13
         A
             Yes.
              So does increasing the diameter of the hooks
14
15
    and the resting leg span, those two design changes that
16
    Bard made between the Recovery Filter and the G2 filter,
17
    make it a safer device?
18
              MR. LERNER: Objection to form, outside of the
19
    scope of the notice.
20
              THE WITNESS: It make it have a higher
21
    migration resistance, yes.
22
    BY MR. BRENES:
23
              Makes it less likely to migrate, right?
         Q
24
              MR. LERNER: Objection to form, outside the
```

```
Page 122
1
    scope of the notice.
 2
               THE WITNESS: Due to pressure, yes.
    BY MR. BRENES:
 3
               And did Bard confirm that, in its own testing?
 4
 5
               MR. LERNER: Objection --
 6
               THE WITNESS: Ultimately, yes.
               MR. LERNER: -- to form, outside the scope of
 7
8
    the notice.
9
               THE REPORTER: I'm sorry, I didn't get the
    answer, there.
10
11
               THE WITNESS: Yes.
12
    BY MR. BRENES:
               I was going to ask whether there were other
13
    design changes, from the Simon Nitinol Filter to the
14
    G2 -- to the Recovery Filter. You raised the point that
15
    the diameter of the hooks affects migration resistance,
16
17
    right?
18
               The diameter and shape.
               Okay. Was the diameter of the hooks from the
19
          Q
20
     Simon Nitinol Filter reduced to what was in the Recovery
21
    Filter?
22
               The Recovery Filter's hook diameter is smaller
23
     than the SNF diameter.
               Which made it less able to resist migration,
24
          Q
```

EXHIBIT 22

Andrzej Chanduszko

	Page 1
	TES DISTRICT COURT OF NEVADA
DISTRICT	OF NEVADA
KEVIN PHILLIPS,)
Plaintiff,)
)
VS.) Civil Action No.
C D DADD INC of al) 2·12-ax-00244-PCT-WCC
C. R. BARD, INC., et al.,) 3.12-0V-00344-RC0-WGC
Defendants.)
	_)
AND RELATED CASES.)
Phoenix October	N OF ANDRZEJ CHANDUSZKO , Arizona 10, 2013 a.m.
REPORTED BY: Robin L. B. Osterode, RPR, AZ Certified Reporter No. !	

Andrzej Chanduszko

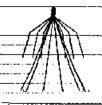
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Page 51
     obviously are there a means to implement it.
 1
                                                    So in a
     case of this particular filter and this particular
 2.
     design, it looks like the -- having the filter cut
 3
 4
     out of a tube, it did allow to implement some new
 5
     features that would be difficult, otherwise, to
 6
     implement on a, say, filter made out of a wire.
 7
               So is it your testimony that you could not
 8
     have done a penetration limitator on Bard's previous
     recover -- or IVC filters, because they were not made
 9
10
     out of tubing?
11
         Α.
               No.
12
               That's not your testimony?
         0.
13
         Α.
               No.
               Okay. So could Bard have instituted the
14
         Q.
15
     penetration limitator in the earlier filters?
16
         Α.
               As hypothetically?
17
               I'm asking you as an engineer?
         Ο.
18
               If there was, well, you need to have an
19
     idea first. So if there was no idea, then you
20
     couldn't. You require certain knowledge, you know;
21
     they didn't build the Rome in one day, so to speak.
22
     So I don't know whether they could have or --
23
               Let's say you had the idea you had the goal
         0.
24
     let's improve penetration resistance or perforation
     resistance; could you have instituted a penetration
25
```

Andrzej Chanduszko

	Page 52
1	limiter on the earlier design of the IVC filters?
2	A. Just from purely technical standpoint?
3	Q. Uh-huh.
4	A. You could have done it in some ways. I
5	don't know would be a good way or not, but yes.
6	Q. Okay.
7	A. You could have done it.
8	Q. By the way, how long did you meet with
9	Ms. Daly to prepare for today's deposition?
10	A. Like I mentioned, I think it was two or
11	three hours.
12	Q. Were there any phone calls as well?
13	A. During the deposition?
14	Q. No, to prepare for the deposition.
15	A. Sorry. No.
16	Q. All right.
17	A. I don't remember any.
18	Q. Did you have any other involvement with the
19	Denali filter, other than what we talked about?
20	A. I was on the project from the beginning of
21	the project to the not to the end, but for the
22	most part.
23	Q. When did that project start?
24	A. Just going to guess, probably 2010
25	sometime.

EXHIBIT 23

Recovery® Filter System for use in the Vena Cava



ENGLISH

Information for Use

Continue Feature IV.S.A.) long posteriols this device to safe by se on the order of a physician.

The flavorery filter represents a very generation of remous themption devices designed to prevent pulsement, embodest. The maque this ya endimateral of the Recovery Filter ployeds excelled life ingletificancy and eston people areous placement brivings a standard I have to suppopulate modicer sheath site transverse entry size difference. The placement procedure is quick and sarppile to perform

The Fernor's set is designed to orkanor brough to 46 cm, 7 (send: 10) introducer contratar using a Sendie, intent pupilic way, A pad at the end of the wave is designed to push on the hier apec and a growed segment is designed to his an aproperly over the ther legs. These components secure the fitter to the pusher wire as in accences the liber, by first, no the dutyr end of the compare, postwined below the lowest strial refs. When the tip of the filter approaches the by, of the articularye patheter, it wit be post-rained netween the tectiopaque markets on the multidates contain. The initiations right during an ability agreembly are then pulled took, and the pulled took of the pulled were found to tection and techniques and the foundation of the containing agreement. rem along the Recovery Fitter to be displayed with the Mering centified and prevents the legs from crossing

The Becomeny Files is despect to ast as a permanent than Ether chapter indicated the Recovery Files may be constant out emove fields implinitation according to the districtions provided under the Optional Removal Propositive. The Percology Fields static troks allow the figes to remain and and resid more than the legal table deform when the little is menuture over over (See Ophoes' Receival Procedure by specific recognitional actions).

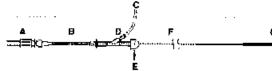
MAI Compailthe: The Henovery Filter explositio MAI sale and neither solutions with nor reallested by Secoperators of a MAI

B. Dovice Operations

The Recovery Files System consists of the Pari and Definity Bythm. The Recovery Files consists of the Ref. shape maying agnol er or empressing from a control sellect of color. The controller of the least control or even of the selection of embedding properties. forms level of floridum and the arms provide the upper level of filtration. The Removery later is interced to be used to live a card

the Recovery Etter Delivery System is illustrated in Figure A. The Delivery System consists of a 7 French LD introducer wheeth and distor, the Recovery files, a storage tube with cathe infusion port, one a pusher system. The Recovery Filor is packaged pre-logical within the delivery goings but.

Figure A. Recovery Filter System



- HITTO DUCER CATHETER FILTER SPORAGE TUBE

- PILTER SFORME TUBE SALME DRIP IS USION SET BODE PORT ADJUSTABLE TOURT BORITH NITHOL PUSKER WAS
- IMPORTANT Read instructions carolish before using the Recovery Filter

Th**o Recovery Filer System complis**ted for use in the preventes of requirent parametry (unifolder, wa portained placement in the with take in the Nowing strations:

- Pulsonary discribioensbillismentes automogulants are containdicated
-Faibre of anticesquiard therapy for thombsembolic disease.
- -Emergency recommend following impactive pulmonary embles in where superposed benefits of conventional characy,
- "Coronia recurrent politicarray explosion inflete exploragativit teerapy fees failed on is committeeded

Recovery file is a be removed according to the instructions purposed be as under Section Material Optional Procedure

D. Control nelications for Use

CALFROM: If the corrected, strianor vens cave (MD) diemeter exceeds 25 mm the filter must not be insert-

The flecovery Filler should not be Implented in:

Pregnant patients when functionary may entanger the lights. However the benefits should be assessed carefully

Patients with year cava diameters greater than 28 tem

Patients with risk of same embolism.

E. Warnings

1. The Rebovery Filter vena care filter is pre-to-cool into the storage latin and is intended for single use only. Do not degree the the pro-to-proce producing in the sense care (In E), as the Macorary Filter cannot be easily reloaded into the always

- 2. Did very of the According Educations the entropics should be advance only Ratifaction of the pushe one during dishercould result in dislockness, of the Fider crossing of Fiber lags or carry, or discold prevent the Files from further advancement within the sheet I.
- The Recovery Sides System is analyzing but forecast approaches only Have use the Repovery Filter and Delivery System for expense approaches buquish subbayage or attended veril, as this will result in emprayor. Recovery Fix or or extern risker the interior versions on a
- If large if notation is de normaliste 1 at the india definery site, do not alternal to define the diges through it. Alternal filler definery flucify histories she dismit flumbus one between educine private and chapter
- –5 – Originate the flecturery Control Bernoval System to restore the flecturery Files Hever se deploy a sense
- have somes an gracers of attacking absolutely to depoy the like without browscope years as

Recovery Filter Removal

- Output allience to remove the Recovery Filter's significant amounts of internous are trapped within the Filter or if the Filter to is embedded within the version paintal, ...
- Also only the Book Recovery Cone Removal System (probages separately to retrove the Recovery Filter, Use of order

E-Preparations-----February Filter Implementation."

- The litter on culo be based in the suprai and position in program warron and in woman of children in ago.
- Analomica, syrungic may complicate liker needed and disply mere. Combit attention to these instructional by tion or of orten passage time and peace the Hemadoid difficulties.
- Speak neumations, it is important to invente case, wher convergiating implication in particular with segment explained o at agence descriptions because the inferior spiciolary to the general course of such and some distinguished. This is may make perculaneous removal of the litter make difficult

- Anasonica variances may comparate insection and deployment of the Recovery Come Removal System. Carolic attention to these instructions for the can election inscribe time and reduce the likelihood of difficulties.
- Spiral deliminations: It is important to exercise case when convenienting removing the Recovery Sees with the Recovery Come from that System in particular with experiences by photocologic spirite disformations because the interval visito days may like ion the general course of such anatomic deformations. This me, require advanced techniques to recover the talgo

G. Potential Complications

Alignativo of the filter. This may be exceed by placement in oversized tens care chancles exceeding 28 mm of ill proper wichowny restanced and his estate

Perforation of the ward equal set Time may recar if pages travelon technique is not unaxed.

Card accession. The protecting of this accommunity addition empted against the interest role and it is tooling a patient who is <u>somenovality podminacy embrishy, or who is likely to no iso without introvention.</u>

The Residual companies to required for use:

City of City 7 Fields 1.10 autoduce wheath and distributed

-Case strenge who with pile incode Recovery Figuriana pustor delivery, spake to ___

र एउटा उम्राज्य महिल्ला प्रतिकार है , 110 cm long or longer

Serie extension to be lot spine day; or adjuste

"All order mesences for verspanditure; seather fift blade, focal areastings, drappes etc."

- An entry No consisting of a 0.0035" 3 mm J-dpped quistrates, entry meadle, at 11 scalpet and 10-oc syrings is available from G. R. Barda Hatop, e number 4000k.

I the Stytectum Chookes to procedure easily remove the Recovery Filter, the Recovery Corne Represent System is available here. O.R. Bar4, Inc.

historical at the Titresch Introducts Calabate and Pretrimery Yearography

- i. Select a suitable ferroral amous access route, or either the right or left side, depositing open the patients size or abatoms. sport of a preference, or Exception of Wenture Pricerbons.
- Prop. of upon and an extraction the chic providers size in standard teather
- जिल्ला कर्य प्रकार के लिंक parkage Copertit A streation Cobins produce
- न्दर पार अंदर नहीं दे ने दें पि विदेश शिव perform verprisedus प्राप्त का सम्मुखानुम क्यानु प्रस्तु प्रस्तुता
- these! the Urbysed guide half and gorlly advance it into the digital years contact that year
- NOTE: Il resistante is econustered during a fernoral branchion procedure, withorne the quidesing and check year parency fluoroscopically with a small injection of contract mechan. If a large thrombus is demonstrated nearest the verification in needle and try the vain on the opposite side. A small thrombus may be pypaced by the guidewise and introduces.
- Recover the vertical case the district grades in Advance the 2 Herein introduce considering that it is \sim
- NOTE: The introducer celtates has realispage product to easist in visualization and productive at this positioning. To aparpio trankent on the introducer calleder provide a "target" tocation between which the filter wheely be possible. पुरुष (महिन कि सामने कही कि हु। जानी सेन्स्नेत्र सम्बद्ध
- Remove the guidewire and dialor, Railing the inhock on exhibit with its to in the cistor venu cook of they word, PRONTANT militarity by hand or adjact to the calleter a construct solare departusion to manual introducer collecter possessy.

HOTE: The introducer catheter hub has a special internal design. Care should be taken to make compactions himply, but without excessive force that may chose breakage in the hub,

- Perform a standard miletic veroprorgem (typically 30 m), of contact medium of 15 mUs). Check for coval tittered, pagetor. d rand value and congress anomalies. Solids the optimism lovel for filter placement and measure the MC diagraphs, consciinglic magnification physically 20 percently
- Advances the introduces carbetive to the selected level under supprocepts control. The guidevine and distribution outside respectively. ed to isoftens this. For immutal insertion the inhortance contacted up should be it are proportion beautifulati
- Remove the litter and didwery system from Ar B.
- Contact a SIX-mil bag of salme to the didoport of the Yorkspiler using a standard displict solve 68. Along the salme influence to flow around the filter in the storage table for 5 seconds to soften it for passage through the introducer carbater. Adjust the into sion and to provide a super drop rate. Topken the Toutry Bond adapter vicke to presidence of sounce, but not as again as to payrent the busher eye from advancing beet.

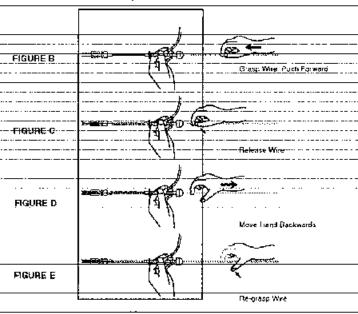
MOTE Utils serving adapt to maintain indeeds to catheter paterns with the union flustrate that the groovest segment that holds and properly orients the litter loss does not become digited over. This will letteriese with bites decisyment.

<u>CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER</u>

BPVE-01-00435559

12. Appet the Pediant of the filter play to the greath to the introducer catheler afrecountative vein allowing the paloe priusion to thou making IVC for a few seconds. The incoduced certains and high delivery dystemic reviolities have in a straight ine to

Advancement of Fifter, Illustrated



- Advance the Filter by mining the rithred position are larged through the introducer councils, accoming the Filter with each mast motion of the pasted was efficient B.S. Do not put back to the paster wire, only advance the paster are lunear For the operator's convenience, the region pusher in terms; be larged, without counting lanking to the nitral interview, in facili
- Confit cofferend movement of the pusher shortall the fifth reproductive to the tradeproper market on the designed of the f ो तक दर्बत है। है के प्रकृत कर देन किया कुल्ला, जान कुछ है भी भारत के निकार के किया है के बहुत कर कि किया कुछ ह

Piter Roksas/Deployment

- 5. Debrei and release litter as described below:
- France F: Funds haid the purhas who has de-

Figure 6-1: Filter positioned in introduces subjects between the redrojungue ratebars position deployment in NG NUTTE: Do had deliver the Filter by pushing it beyond the end of the introducer catheter; inclosed, unshooth the stationals Filter by withdrawing the britistation cathelier as described below.

Filter Release, Illustrated

FIGURE F FIGURE F-1



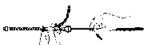
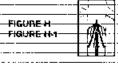


FIGURE G FIGURE G





Hon selected the Fatter by preshaulting R in the IVC at Inforce:

Figure G: With one hand held combinary, the other hand dozen the Y-adopter and closing tube accomply both acompletely ever the handle, tincovering and releasing the Riber.

Figure G-1: Umbeathing of Filter in PAG.

Figure 4: The proption of the hands at the completion of the unsheaturing proposes

Figure 94% The Fitter depthy ed in the FAC.

- Now with travitive the paster was book into the storage table by himly politing the Yadapher, along to the land darriery estimate Macrobby and puting back on the public tice
- 17. Resume the resemblem palme flush or constant drip mission to maintain introduces catheter pasency

Follow sto Versacavour am

- A lobox up veractiving an may be performed after with \$12xxxq the introducer catheler into the lists very [t.pccaty 30 mt. of

OPTAGHAL PROCEDURE FOR FILTER REMOVAL:

Removat of Recovery Filter

CAUTION: It is strongly recommended that removal of the Recovery Filter be done using the Recovery Cone only.

Equipment Required

The following equipment is exquired for use:

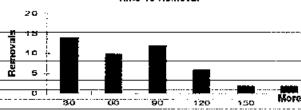
- -Chot /Siche, 10 mench I.I. deliving shorts and digital pg
- One Yacholes with Recovery Cone and pushed delivery system. ____USAS 3 rm Hepsal Sudware 190 cm kay out ages
- -6 gargi eviy nivdə
- t2 hauschatister
- Sale
- Stelle extension tabe to some oil; or samp, for eather niceton
- At base malerials in remarkate peaked, \$11 black, local artestness, mapes, etc.

rects, ender the Special Appearmentations.

Attrough essentially only one physician used the device, narrors was proformed by three physicians with different support and and ipedic edibiles;

Of the 55 libert implanted, a total of 46 have been retrieved, 6 remain at place, and 4 patosys have ded with titles in place of dausea um eluted fo fine processived or retrieval placierus, concer, projektiven and pulmonary seperglabas, and bermeiningo strand). This is removal surgest from the 181 days, socialge 60 days (see dealoguest)

Time To Removal



Days

---- -- Foliowup post retieval tras bijah an waraye di 325 daya hanga 1 601 daya). Mise malah ware nabawel me too digmenasadi piyalar wan, aw dane hare beas me be ist alread paper was fault and a collated vest (not). One was removed angually that og a cancer operation where the mass. was emprophy on the title. The two methods described in the hallochers to take was eased to establish the take as at tail 4 cases. when a larger steel hims used our seame loop may attained instead of using the Recovery Code Removal System. There was रा र प्रकार को वन्ना महरेका स्टेस्ट प्रभावका तानु सामित्रका । भारता वसानु वेस्टान पुत्र स्टोस्टके

The duty winer advices revent reported was a tradesport flow comitised about this later was placed interfereby in a physician woman recompline throughout the least of Child This restore was believed for the becoming to be assective as derivery and place river. ness ensay, causing severe debugion and empedding of the hoch tricitie bory issum of the vertebrae. The lifet was retrieved

Cloical	Expenence
Suran	nary Tubis
Recovery Filters Implanted	55
Percuestations Filia: Romovals	45
Sugest File Servicis	1 (Consument to Auron) recognizer)
Pakoni Age	6 89 years (52 years overage)
Anoson for	Filter placement
Constaindication to articoaglasiion	49
Complications associated with anticologication	13
Falue of ani-oxydeton	3
Proprylans	2
Tene to removal	1-151 days (6) days average)
Fallow up post removal	
Filler Remov	si Complexion
Technical	Q
Hook tracking recondary to attesses that to	
labor and oith and inhound piesement	
Asymptomatic pulmonary embolists post-remova:	1

after of the introduces Catheter --

- "Select a factable pegadar Venous access loade on either the nord of lost side dependent upon the patient sistee or fanatorny." aparator's preference or location of venous thrombook
- Piep, diagre and anisathetize the skin purcture site in standard fastion.
- Soled and open the Receiving Core Removal System package. Open N.A. Institution Castrian package.
- Not the sign with a \$15 blade and perform verigonatine with an 16-yauge eatily needle.
- insertifie guidewise and pently advance & to the lecation of the Pincoway Filter for removal

ier, il divere is significant divention within the other do not remove the Piecovery Filter.

- Remove the vengundure needle over the guidence
- Pre dista the accessed vessel with a 12 french distor
- Advance the 18 Field improuper ratherer together with its tapkied distriction the guidevice and into the vein-

ear and he has a rest opingue pearings of the stiplet and of the self-selections.

- 9. Herrore the quidewise and distrot, learing the inhoducer extinctor with hallip in the appropriate location. Flush mismatisma, by nana terakasi kulinta dalaksi se poksion samu tirip Inidasa niu manasin randi ya terakara sasia ter
- Perform a standard interior vimacaz ogram (typically 30 ml. of outrook medium at 15 ml./s). Check for Interiors in 15 ml./s). Check for Interiors in 15 ml./s)

	Recovery Core Insertion and Delivery 11 Florowed the Recovery Core and pusher systemation (K) (b) 12. Flucts the certain tends of the core collector and was the core with salms—protectibly hoperanced active. 13. Stooly with the core into the Medityter to college the core.	Bard Peripher P.O. Syx 1743 Tempe, AZ 92 2 USA	o' Weseudan, Inc. 60 p766	
	HOTE. For this is treat the fully reducted into the Medapter betwee connecting the nyelemnic they acrostoce castrator to ensure that the cone can be easily delinered through the catheter.	78U: 1-48 0 -4		
	Connect a 500 rd. bug or a springe of saline to the side you of the Yestgreen. Alies have sakes infection to thus proper to a second register in purple with a page of a second register.		F1-4254 ISS 7852	
	terons on with the manager of a second organization books around the manager term of second manager. 1865-1861 The surgical Second Sec		9 5376	
	'5. Align' the main end of the Y adapter with the collapsed cone directs, lightly introduces natively. The investory curticities and	HWA (X	ntga:taga	
٠	long delitiony eastern should be licitly a straight and is majorate license.		EEA Authorized Representative	
	<u>is advantable mode to entend it tout through the nixture when educates the count touch linear mode of the purity state.</u>	-(Reid t imited	
	- The Continue forward movement of the pushor will expend the come advances to the radiophycomologic and included and of the	0000	Grawley, UK	
		0086	<u>9-111 92</u> F	
	* Capata of Review Pitter ** ** ** ** ** ** ** ** ** ** ** ** **			
	Filter Removal, Illustrated			
	18. The capable of the Philosophy Poetric resonated in Figures 13 Ft.		L & & &	
	Figure B: Aller the cone has been opered super or to the Files, advance the cone over the Files tip by hidding the incoducer			
	carbone standary and advancing the planer shelf. It is recommending to consider a selective obligate discrepaging image to			
	continuitial the ense is over the Fine tip. Figure C: Chee the conditions fine Fine tip by asympton the introducer contact ever the Condition to be built on a purpose.			
	Pay 15 total			
	Figure D.: Commun advancing the introducer catheter over the cone wind the code is when the introducer catheter.			
	Figure E: With the code collegated one the ERR; retrove the Filter by statisting the life tooled carterial and have acting the			
	Figure F. The There is no real sector from the			
	Folian-up Veneza-appera			
	18. A tokonom venaczycznam maj be partomed płusych drawną tok monacom partom (Karcaly X, roż o) coronac madom pl		•••	
	作品)			
	Become the creation of the and apply control compassion one the product stein the usual day to achieve terminate TS. TS. TS. TS.		·······	
	· Guidewire - Assisted Terhnique			
	Twello teleconomic visitation of trapped to the postion of the Automaty Fairings denote assist the bridges rise, the uses.			• • • • • • • • • • • • • • • • • • • •
	Úsc d a Grátaire			
-	If it is difficult to shaped the constraint for Recovery Files tip, are may use a guidence to footballs advancement of cose over the Files ha			
	Wands and the extreminant elevational short energy from the Fifter op. Insert a C 1007 guidewise Prough the cerebal lumen (J-			
	bysed or engled by, a hydrophic coulded guideville in spourment (ed). Advenoy the guideville freight, the cone and brough the			
	Filter near the Filter sig. After at has been confermed that the guide-weetern contact with or to close proceedy to the faller by extreme the cover the			
	guidentie to the Filer dip			
	Advance the expedition should to edgely collects the cone over the Filter up. With trave the guidewise into the pushes shall.			
	Continue removing the Fiber as described in step 16.			
	How Supplied How Processory files as approal proceeded in the distinct behalf both Resource files as despecting to an elegant control of the second files.			
	- damaged or opened, and is read, to be used to a angle use only. This strong have conducting a option we pre- aspective. If the	· · · · · · · · · · · · · · · · · · ·		
	Maria restal teriti decha guid, do ret abarakto de abribas de destill.			
	типорими траутил пасерену frite: воловаем за мосторатног водина тогу без провод своја вест начава алд оврше в в Предоставова в пасеренот неформателности и проставнето за уваја и обеби и таке и постава в беза.			
	The Recovery Fed spoud by single and control encountries of the page 1995.			
	К. Келиц у			
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	- Ranthes, yakether express or incled, nockedys, but not limited to, any impled varpanty of her Chantablity or finess for a particular furpose, "Tang Event vill bard belurge to you for any not			
	DENTAL OR CONSECUENTIAL DAMAGES RESULTING FROM YOUR HANDLING OR USE OF THIS PRODUCT. Some state-countries by not allow an exclusion of irrelied warranties incidently to consecutified itemages. You may be entitled	.		
	to additional restriction under the traps of your statisticality.			
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	In the event 3 years have objusted between this date and product use, the lastrianoutd contact C. P. Sand, led to see 6 additional			
	product information to available. Burd, Restricting and Recovery Concorder regardered backers of C. R. Bord, Sto. or an estigate			
	US Pateril Nr. 6,007,541 and 6,566 025. Other Pateris Portung.			
	Copyright (2003), C. R., Bard, Inc. All (Ight): passived, Panted at U.S.A.			
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		· ·		

BPVE-01-00435561

Système de filtre Recovery® pour utilisation dons la veine cave



Mode d'emploi

Attorptions; forling label Hydriado arregicaine, or plangrabil to post yithe yeards que par un médicult ou sus prescription.

Le fitte Reposery représente true nouvelle génerative de dispusités d'audicaux ménetae compas pour le premetion de l'embatie palparante, l'a controlles unique et la motifie de labration du libre Repostry ha cardés et un elle en selecte et motifie de l'étage et permetant as these on place policific en au horses of the goine distributions arguestatique (O-7 french standard ane) on mormum de difficultés au poin d'entres, La procéduse de mise en plane est rapide el scape a résisser

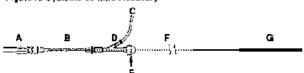
Le passont fénorel est compa pair progresser dans se canule d'etropaption I.D. 7 French de 40 cm à haise d'un fé de poussoit Besolv en nitro). Un tampon a l'extremité qu'ils est conçu pous pousses sur le sommet du lêtre et ut segment lainuné est conçu pour maintant et oriente cometément les perts du frite. Ces composants rétaurent le fibre au fil du pousson à menore que de de nej bol proposaci in klju, estronik er annt, pistvil la diametr didik co la coule, postionne dada ti visca entat la rius Bassa Corque l'abbeirdo di bita apposta de l'aberrée de la canule d'atrodichia, ele est podéan de ce to les textos qui ens radio-opaques sobrés son la carolle d'introduction. La carolle d'indoduction et l'experticle de misse en place sont alors tires en arrière şur la pognee A. Midu poussia: "dra de retres la gisme, liberar le little er lui parmetre de retrouver sa forme predetermines. Le cystens de centrage perne; au fibe Recovery d'être déplacé plac ses entémité perdrée et empêche le crossement des pleda

La fille Retource ed cotts, ones are ab bell the Bon helmanes. En exa d'indrescon eficielle, la file Retource best face fob Cim névat portata e amés provatabon, conformemost aux astructions formaes man la Pracedua de colmit ordande l'Usa ma chekuriantiges dublike Bergege is permittert de teste ingde et de render is loute regulum, mas de reconstant une deloi: nation distribution on descript perceivaded, three librit Procedure de relating Reconstructures and dura spécifiqu

Le système de filme Meconery se democrée du libré et du système de mise et passe. Le latre Meconery en consiliue de duare les ch mand a mantere de lamie emalant dun merchan derkal im mand. Des doube de lamiers deux niveaux de hinason da l'em-Bone : les perso loumissent e navou inforact du titrollen et les prop formissent le navou supérieur de l'Auston Le trine Recovery ex prevy pour une valisation dans la viele dave a des darmetres allum jusqu'à 20 mm

Le système do mise en place du tête. Recovery est dustré en Figure A. Le système de mise en place se compass d'une gaire. d'un cautien, I.D. 7. front, si albateur, du linte Bedeung, d'un labe de altra geuve, veiller deur perlusion de acquient des acquient de la distribue de la communique de la com

Figure A. Système de fittre Recovery



- CONV.E DINTERCOUCTION
- TUBLIDE CTOCKAGE DU FILTINE PERFYEEL RALEC COVETE A COUTTE DE COLUMON, CALD
- D. ORRECE LATERAL
- MARKE KATERO ADAPTANE JA MODULAS, E DE TOUR MUCRST PE DE POUSSOIR EN NITINO. PERSONEE DU FL DU POUSSOIR

RAPORTANT : Their assessmented inconstruction about dissiftents thre Recovery

C Industries d'entair

Le ajdeme de l'est **lacoury est vid**ique d'illa la préventival des réadires d'embase palmonaire por sa misé en place pelminente cans la vene cave dans les alizabons suivantes

- Embale pulmanare traorque on cas de come ridication des ambregularis
- Potres des fuit apents autoriquients du syndrome décombo-émbolique .

l'autoriem en urgance à la carte d'une emballe parmonare mousive, longue les aventreges elleurais des traisments de

- Récisive d'emissée pulsius are chronique forsque le tritement accrossystant e échoue ou est contre-indique.
- Le hitre Recovery peut être retaié contromement oux instructions fournées à-cossous dans le Section intrafée : Procéduse optionsete pour cetail du libre

D. Contre-Indications

ATTENTION : Si le diamème corrigé de la velne cave intérioure (VCI) dépasse 28 mm, le filtre na doit pas intre antrodust dans la VCI.

Le filtre fleccessy no doit passète implanté chez les palients automás :

Pariernos encolates i mesque a metroseque disquesas de marcio en dangor is die cultados. Les resques et prestages diviera tota

निकालक (presentan) yn файнере брга veste dâw sûlpeneur û 25 ma

Pariens a reque d'emboue ganale.

E. Mises en parde. implemation ou little

- Le l'înc Recovery pour voir e cave cot préchaige dans le hôc de stochage et à de réceivé aux, labors arique. Ne deployée passite libre avaits so wide en possion correcte dans to Haire cave (VOI). Let the Recovery the powered electrologie sons insque dans le tube de sforiage :
- La muse en promi du tatre Rocquerry su travers de la grane de fininciacione curiaries uniquement és recorde. La retroction du It du pousson pronduir la mise en place requeran demailler un déachement du être. In crosserer i des pieces ou des bras du titre, el pour ac emportro loure programm auppirmentare du aire a l'entenour de la gara
- Le système de fitre flecovery est conquiun quemest pour des roles d'abord femorates. N'employer joursas le title Recovery at the september of the first control community and the september of states and a september of september of the sept ord emission use contains moderate aution Recovery dont la celor due intériore
- En van die einsten deitsten dier Artischen Appellen auch ein ist de Andrew glach en besteben de diploye in Almovers de ce évormins. Terdez la mase en pesse du l'Atra per un suite site. Un promissa de pelice lette peut étre assilour e suries, and elitheratur.
- University in a particle systems de retran **Recovery Court** pour rather to him. **Recovery**, the re-deployer particle on the a
- He later jamas progresse le fi guita ou la gaine de hidródúdeu "Alazaur et ne ogresjer jamais le filhe sans gudage h:009000ique

Retail du filte Recovery

- M'ensayez para de cezoe: lo filme *Recovery s*i une quantas importante de anomorus est colocce dens le filme do si Ferrandra e du l'àbo est prese dens la parci de la veine cave.
- Nikkee uniquement to by steme de retent Bard Recovery Come (emosit) separement) pour recupers. In thre Parcovery l'Indication d'autres dispositifs à entraîte des emboiles pultionaires récordences

Implantation du Ribe Recovery

- Le libe dui etre placé en postion autrécale chez les letrenes archanics et celles en agri de propier
- La variable à ratem que pout compaque l'introduction et le déposement du little (Lestr patentiversort et mode d'omplie plus de nétaire la Jerros d'uticalation et le naous de protiernes.
- Deformations mich diennes. It on important de faire preuve de producte loisage fran envisage (implamation chez les pasents que présentant d'importantes déformations ractivalentes de type dyproscollose. En effix, la veixe cave intérieure peut sourc globalement des diflormations analomiques. La tetrait peròxiane du filtre peut s'en trouves complique.

ant du bitre Recovery

- La varabita anatomique peut compéque l'indication et le déparement du système de recisé Recovéry Cons. Livez attentivament de mode d'empirei afin de rédicire la tempa d'estraduction ut la risque de problemes.
- Déformations much discoss : le est important de faire greuve de producce los que l'on esvasage de retrer le fillre Richovery à <u>ielo du eystiemu da nel ad Bancee ni Cono mez les policets ni profominal m'origintanes defenant</u> <u>ope oprovolves. En ala, la vena es la alexa da pas adria guitatarian con del messivo antimique. La masicia i f</u> tre paul alors nécessées l'extendion de lochtriques eventées

C. Complications possibles

liègrains du lière. Case o peut être causée par la mise en place dans une verre cave de diametre excess? depassant 20 men ou si des tachniques conactes d'ancrage ne sort pas employées.

Perforation de la garrer de la restractiva. Caldeo paul se produira a una lecture se compete d'inhoduction e est par

Cooker on the la word cave. Le probabilité ou de sague mainteni del eine despende par repport aux branches attendus che un parions présentant une emplate transpaire vérifiée du probable cases montrespec

H. Égalpament requis

Leathadáineá Sussainh leat fiorgas

Un libre Becoming et speciere de néve en place della culturari. 🕆

- ंक्रा करकुत्तारिक gaine d'introducteur LD. 7 Françà de 46 cm et d'Assayur
- Jin Alber de produktje avec liftre Alexenerry prêsherge et aysterne de mise en place à puesach
- Jin Migladie D.J.GB. poutas as extrémée en 3 de 3 mm, de 110 cm de long en moos
- Ane signific diskoluto in de calche 16 G

-Serrom sayne

- Paccord de Brênergo siente paur le goutre à goutre ou la perfusion de actubra saime
- ·lous las matérieis de baso de positios y enquise : acalgel, kimo nº 11, anostrisaque locas, champs acisitos, etc.
- Un tát d'entrée compressant un Ri guide 0,000 pouses à autrérété en 1 de 9 moir une ségalée dirit eduction, un soubet n'

TILO UNE SAMPLUE DE TULTA EST DESPONDA AUGUSTOS DE L. N. BAYO, PUTAÑO DE CALBUQUE AUGUS.

Sale médican chresi le retrad persatang du like Aurocopy le Aptières de rebail Gereavely Comi est dispositie aupres de C. A.

Limenton de la carude distribución 7 finance et prétinguaphe précionaiss

- Characters are true discos vanesse limprate adaptes, our le cité droit ou gouche, seon às copulance es l'antronte au patient, les préfixences de l'aperateur au l'emplarement de la drambise veixeuse
- Pricosna recourses de récoves steries et specifiée le site de ponction colore seton les méthodes habituries
- Chaisses et ou des feints/lige du 1958 ne d'introduction Richard Come. Cluries l'emballage (A.) A).
- Entratier to peeu ovec une time n° 11 of effection une parazion veneure avec une signatu d'infratudion de critire 18 G
- Interchinar le il mirità a patricula un distributa la consegue descributi la consistante francia de prime della consegue della

REMANDUE : En cos de résistance rescentin permient une procedure d'introduction l'énapple, reliez le El guide et verfler la percentilité de la velre par examen radionomique à l'aide d'une polle érjection de produit de contracte. En cas de misse en évidence d'un thrombus important, relinex l'algulie de ponction verheuse el essayez la velor du côté opposé. Un By crybus de potile Laite pout être contourné par le 19 guide et l'introducteur.

Refrésifaquite de prontos ven euse en suesat le friquée à éthémise en à l'étholisses la canule dinitaduction ? Les avec son distribut conspue le lang duité gude paque dans l'extremé d'atale de la vene cave ou la vene Baque

REMARQUE : La sanute d'innocustion dispose de masqueurs tatio-opaques facéluns la visualisation et le positionnem du l'ître avant son déploiement. Les marqueurs radio-opaques sur la canulie d'introduction forment un emplacement "clisio" dans laquel la Bitre doct étre positionné juste avant le retrait de la gelne et le déploiement.

<u> Belivez le la guide es le distateur, en la casant la casate d'introdut en el son extremité dans l'extremé distate de la vente</u> cave ou la trans sague. Parces de manière relevantione à la moin ou raccionnes la casule à une portusion quille à gyulle rostante de solution sellon ello de mercena la preme della de la canala minipoli care.

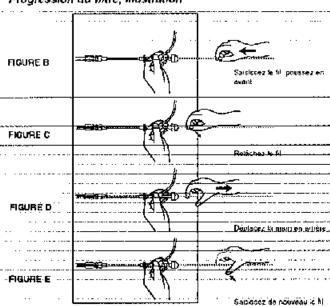
- Electrical with porting cipies standard de la veint cause intercute (mighters) 30 ml de produit de contraste a 15 m/s). Contrés de la pection of tout thombus deurs by days de 1. Italia sectral a congressión de la produit paul le mais el grace de thre èt mestrés le diametre de la VOI, en tenen compre de goodscennet (généralement 20 paul poet).
- Anamest a control distribution program about in the scale control interestingue. Let it grade et le distribution et in en l'expression de broken conclusion en cas distribution describers, l'expense de la contre d'impolation describers de la control téché le pila incore.
- . 10. L'Sever le filte et le système de prise en place du tit B

REMARQUE il qui tries responsare de malmonti la permitribito de la cursale d'introduction grâce di la purgo de solution.

saltre, esta que le segment ramuni qui medinare se entene content entene les piede du finte ne unit pas obstituit. Cert latter
timpast appet le déclarament du filips.

12 Fuez tiedrément liter à l'une de seconage de litre d'rectament soi la canació de recurso de la vience en lassant la perfacció de sobiler saute à decisió de la système de mass an part du fitte descent de agraleme de mass an part du fitte descent de diagnés una de mismasor les hotoments.

Progression du filtre, lilustration



- 13 Faites progressed in three to evaluate a M do poussour en notice dans is carble d'immoskoper. Le thère progresser a chaque mourtement vales avant du M du poussour (Figures B E). Ne cres pas le M du poussour ou arrive, faites le uniquement parquesses vives faitent. Afin de facilitée à travail de l'operation, ainsi que le manipubliée et la progression du fil du poussour en némon. Le R di poussour part effectuse une fouvité bases entraines acculare conduct du mêterau en étation.
- 14 Provisione e le mouvement entre l'avoir du 18 du provisor partir to que l'orbitenté du title et lingue le manqueux auto-opaque la l'extendit du dataire de tri candre d'entrodatione, à ce state les prognée du la provisor duit de sature et provisor adjacente à l'extendit et en X.

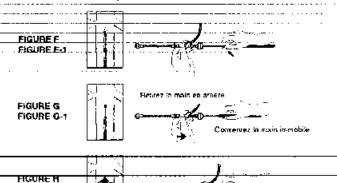
Libration/topiologenLak/films

FIGURE H-

- - Tigate F 11 May a position a dans la camile d'infodución estre les maigrans race opaques avan la deposition dans la camile de modución estre les maigrans races.

REMARCUE: his mener pas is filler en pisos en l'ersonçant au dela de l'extremité de le umaté d'introduction, Au keu do Cela, setime la canule d'introduction, et ainst le guine reconsant le Rite élationneire, comme décrit el dessous.

Libération du fiitre, illustration



Libérez à présent le littre dans la VOI en retirant commé suit la palme qui la recourse :

Pasitionnes l'extrémité du littre 1 cm sous le veine révale la plus basse.

Figure G : One main etant mantonae en punit on stationnaine, l'autre main retire ceté érépect l'adaptateur et Y et l'erbem ble du tute de atomago que douve la polymen, découvrant et léterant arrêt le hitm.

France Get; But get me to gazon remove care to May dans to Will-

Egyze Hit Le position des moins au terino du processus de let sit de la game

arguleri-5; Le tibe dépâye dans la VOI.

- 16 Acuses a greens in Stidu poussos dans le tabé de dividage en maintenant termientent footsplateur en Y. In time de sookage et l'ensemble de la canale de mèse un place et un bran le fil du pousson en angle.
- Repensi la preprincipamento de adotoro seine culle portes re guides-grante constante din de mentione a prancializión

 de la simila destrutación.

Scintigraphic de suiv. de la veloo cavo ...

- -15 Unimers ingraphic de sarci de la reène daze peut être réalises eprès le reviar de la consile d'introduction dats la veine frague mais general (3) mil de parout de contracte à 15 mos;
- 19TH etre lis caliberaturos de la capaques une compassor, sur our sur le ese de pordial, selor la richiose habitación Transportation de la capación de la capación de la compassor de la capación de la capación de la capación de la

PROCEOURE OPTIONNELLE POUR RETRAIT DU FILTRE

Rytical, de http:// Recovery

ATTENTION : il est fortement recommande que le retratt du filitre Recovery soll effectué uniquement à l'aide du flocovery Cone.

Équipement requis

Le male of surrent est requisi-

- Un système de ramic Recovery Cone connerant:
 - -Un ensemble gazie die mae en place I.D. 10 Fresch de 75 cm et Giatalieux
 - «Un assignation en Y a rec Recovery Come et système de mise en pace a poussoir
- unit друж изво рожев а екпесин ел и ек билт не почет оа жед за поста
- a Sr edikt et natrabethib efegigenti
- DPatalety 12 Frency
- Secure salt e

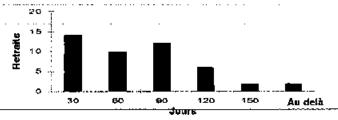
Charles and the state of the st

he litre Reposing is signifist our Carada par un même lansaspalen et deux de sex callègues nans et hépèse congramme de La mis chec his polarist conformamen, qui reglement decoàn spaces

Risa qu'un orquese partis un sunt médican est mélica la deposité la maseit a mé praique pur bros médicans assistes par des per La capate de partien un dos en aponeres d'ansegura délémbre.

Ser for all three implication on boat de 40 est els receptores d'aces recles empace et 4 patients sont describs eaux que les visites en visites pour des respensements des la miser en pace du tibre ou à son refrait (houvines, canver, polychiste, appropriése pour visite en appropriése pour de 1 en 10 pour pour une empare de 20 jauxs pais training auraige. La força decoué avant la versa des compos avite 4 et 10 pour pour une empare que 60 jauxs pour training auraig.

Temps écoulé avant le retrait



Le seri sprès la rehal a diné en moyenne 325 jours (edire 1 et 801 jours). La plagad predit des filles out eté coopérés voi la nece jugable retene doile, pais pertains out été tel rés voi la verre jugable retene doile, pais pertains out été tel rès voi la verre jugable place pour te meil et une vene poultaire out labilaté moi il fontire per per per pérparte l'un terre per pérparte le fille deu cardinales destre dans le mode d'ample out été dans de la fre deu sous les cos, à l'ample de la verre per récupe à distributeur le fre dans leus les cos, à l'ample de la verre per de la verre de la

Le seul autre exément distinisable higraic est la liphate d'un bios et d'un crottet du libre. De libre à été placé bous le leun, au careau l'142, cuez une feriture excénité permant le tolisme literate de groupes au la placement seus femille permant le leur mont d'un la placement seus femille que que produitsment estre ne une estracte response et une recursable de coorde.

dans le bage resque des veritique, Le libre » lés mouples sans le crotte!

Tubicau n	icapitulitif des	1
donné	es diniques	╽
Fitnes (Records) implantes	56	
Retails perculanes du litre	6]
Hetaks changicaux du litre	1 (coscorstant avec la resoction funiorale;	Ì
Age du patient	5 89 avs (52 ars en moyeron)	1
Raiseh de	ta pose du filire	}
Contre explication a Tarricologiscation	40	†
Complications asservées à l'antisvagulation		T
- Echo: de Faricas guarian-		1.
Prophyani:	7	1-
Tempa écodó avaid e retail	1-161 jours (60 sours en mayenne)]
Sain après le refeit	1-931 j.v.m. (325 j.v.m. en ranyenna)	1
Gorpácsions k	das au retrait du litre]
let/vagas2		·t
Rughure gu contrell à le soite des stress éés au haveil]:
91: Jacoustismeri el positot sinskonsk		Į.
Embello pulmonave asymptomatique apres le retrait	1	1

TO COLONIA

insertion de la canule d'increduction

- 4. Constante une voie d'acrets verseuse populaire adaptée sur le cité à de la gendre sellon la corporar de potient, les préférences de l'operation ou l'emplacement de la chronibose véneuse.
- 2. Pregare a reconvez de abarque storios et anostres es le site de paratos, autorio selan las tratroclos habitolistes
- 2. Choisasez et aurrei terroazige du systeme d'incoduduro Recovery Cone. Ou rei temberage (EL Ay.
- Estables to proviouse use lotte or 10 et et novez envi porezen veneuse evicume argade de proéhation de retrac 180.
- trocke de lit genes e laites de progressed betennet vou l'emplement de lêtre Récovery au conde son citrale.
- Ratica l'aiguite de ponction voinsuse en suivent le fit quids.
- 2. Pré-cluser le vausseur objet de l'intervention à l'acte d'un délutateur 12 firenct.

Introdusez la carute d'introduction dé évends avec son diffaleur échique lé long du la gada jusque dans la véné

REMARCUE : Lo eyatione d'introduction dispose d'un rearqueur radio-opaque a l'extrémité distale de su quine afin de fociliter la viscalisation.

- 6. Prité et le figien el la distribut, et laiseur la gaire d'ennéueren aven textunée à l'emplocement apropre. Parest du montées plematique en reproduit le explés à une produit à gaute nombre de acuten mètre de la revolute de la gaire d'attobacture.
 permédique de la gaire d'attobacture.
- Effectives une congreçaire standard de le vame cave inférieure (en génére 36 m² de missu de covarante a 15 m² de l'actuardat d'économie dans le litre de des décinates enpartants de post formés dans le litre factorieny, ne le l'actuardat d'économies de la company ne le l'actuardat de la company de

investion at wise an place by Recovery Cone

- 1). Epieres le Rapovery Cone et le système à poussor du le B.
- 12 Bance to sample contrate del système a possioni el burisffee le cône mos une calvino sobre (g. préfettes une gallete).

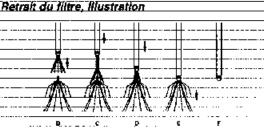
 Notarciel.

13 - Refrez doucement le cine data Latapian en Y alia de la tapisa - - - - - - - - - - - - - - - - -

REMANDIÉ : Le côpe phi épo enticrement réspecté tiens l'exéquisteur en l' mont de reconder le système à la gante · · · d'introduction afin d'assurer la mise en place correcte du côre dans la gaine .

- 14 Rebail unit pools to 500 mt ob the admigue the adult of building the forthing but indepthrism on Y. Listery cooler is input building the control of court down indepthrees on Y persons to seconds. Response to valve the stabilities of the Touring Bond date the mistimater or outland to solution patient upon the desertion of the outland of the production of the produc
- 15. Recognite l'extrèmité maie de frateglates en 1, cône abassé, deschenent ser la canule d'introduction, La canule d'introduction ou et le système de mase en plans du litre douvent être alignes ofin de mineraser les frederments.
- 6 Findes progresses to circues a avançant la topo du processor dinte la correte d'infocucción, la cóne pruy esserá à chaque macvenant y es fovant de la tige du procesor.
- 17. Poursuret le mouvement vers torieté du ét ou poutaon puique de que le côte déte gre le mempour ruit o que tout à l'oi mémbre désaile de le ceaute d'appouration. Retrez la game pour ouvil le côte en stantisant la right et en réfaction le consile de constant la right et en réfaction le consile de la constant la right et en réfaction le consile de la constant la right et en réfaction le consile de la constant la right et en réfaction le consile de la consile de la consile de la consideration del consideration de la consideration de la c

Capture as since recovery



16. La captale du libre Apportent est lituatirée dans les Agures Ble F.

Figure B: Unit him is roine sover mediatur du l'îne, avançer le côn e le long de l'extranté du fitre en mainterant en place la carule divinations et en prançant le lage du practair. Elest recommandé distàcris une insige financocquique antérieureotinque ain-que violèn le poul comement du cône su l'hodrismie du blac

Figure C: Reference le cons sur festi entité du l'Ote en à lançand la conses Centroduction sur le côtre loui de maintenant la ligit du poussur immédia.

Figure D: Communi à las elevantes le canale dinération sur le côno pasqu'à ce que on demen au bouve a l'intériour de la canale.

Figure E: Le gione étant abasse sur le hère, retrez de der nei en stablésant le conura d'introduction et en récretant la tign du

Figure F. Le hiue est cétraclé dans la canule.

Scirtigraphie de autyl de la veine cave

19. Une contempo de que que de la velha cava peut una resissió après la constituir de la course d'innocuetore con general 20 million.

podul de ortiaste à 15 miss

20 Retirer la casafe d'introduction en appropring une compression, standau à our le sate de pondi se actor la méthode hatelucte sûn diateindre l'introduce.

Filipude - Trohnique assistée

Etazit demoje la vanabide acztamaque de la poster du hitre Recorraç, les techniques por la guece pouvent executaisses.

4.02-page days la guide.

Si est difficie d'aranner le cone le long de l'extremité du bire filterceurs, à est possoile d'ublicer un til guide etn ar tocéte estre

Lungue, sous a lez cordinates que le l'opport est en conject a les feutiemité du littre ou proche de cette passion, a ancier le contrair le lé grite, vels l'entienne du dirie

. Anomes is gene de find viktion die districen kopenne de dier bil festierte, du land. Diet es bliege de sans bilby en Bassers

-- Commert Steller to true carryonk ago 4 FBage 16. - · · · ·

-J: Cardiformanad - --

Chaipe Dite Pictoring as Tourn prechaige data six title de s'oblage. Tous les Ribes Piccorrysons distable à apringment seals entre les recoverysons de la principal seals entre de communique de la profesion de la profesion

Be have Recovery dut être conserve dans un androit sec et hais (remporature ambiente).

K. Garando

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DANS LES LIMITES ACTIONISEES MARLES LOIS EN MIQUEUR, CETTE BARANCHE LIMITEE REMPLACE TOUTES LES AUTRES GASKINGES, EUPRESSES ON FUR ICITES, Y COMPRIS, MAIS HACKLOUTIESS A. TOUTE GARANTS DANCICTE DE OUALITE MARCHANDE OU D'ADÉCNATION À UN USAGE PRATICUEIDE, BARDINE SAURAIT EN AUCUN CAS ÉTRE TEXT RESPONSABLE DES DOUBLAGES ACCESSORES DU NOMBECTS RESULTANT DE VOTRE MANINULATION OU UTLISATION DE CE PRODUIT.

Contros Passpaes de permeterripas Deudeison des quanties explotes no des diminages ancessires de sideans. Mous pouvet Linne nocord à d'autes echois en qualca conformémies aux foix de viche État hays.

Dak Gétaraba - 1203--

tiu Slans se eure écopes eure cere date et truisianen du promit Marissièren dubronnacher () (1 Bend inst. pour savair si des Histomratians trappionentales sur le produit sont describias de companyation de communical de communi

Barry, Recovery, of Recovery Come and the strongles Reposed by C. R. Barry No. 50 of the Mar. Braves americans in 6,000, 553 at 6,251,006 funds because yours

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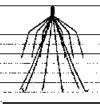
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VIVIA DE LA PARTE CONT

Représentant agréé pour L'ECE Bard Lenied

0086 RHY 95P

Recovery® Filter System zur Anwendung in der Vena Cava



DEUTSCH

Gebrauchsinformation

Activano: Nacin US-americanis chem Buroles granta dari dinasa Produkt nur an elege Atti sebet del Bestelluro ette a Attivas

Der flecovery Fitte gehöt till einer reisen Gemint von von Ververkattelbrachkangsvorlichtungen, die Lungen einbrüten werbindem schen. Das ein besitge Design und Male ist des Mocovery Estous greich diesten heiroringerund February und gestalben de periodice Ptatriaung durch vis angrographisches Standard infolhibesterk mit einer frietroomstraasses von 7 French mit erinmaler. Problemen and Embilition! Die Polizierung erfolg schnell und embasi.

Das Fernerats Sid et kir das Versowseben durch sonen 45 cm langen Eufühangskehere Johren en ein knower ohnesser von 7 Flerich with Verwendung eines Nechten Schliebdiahts aus Nähnlig-eignet. Ein Polste am Drahlende schreit sich auf die l'Respitze und en eingeliebtes Segment hat die l'Eterschenkel und dienbed sie in der richtigen Stellung. Diese Bautabe folgens den Filter und Schiebbatt, wirkendel dasse den Filter net der Schien zumst gum delaken Finde des Katherbes, underhalb der gedensten Nieuwwere, vorscried? Wenn die Spitro das Fillers sich der Spitre des Riebburgskatsellers nabert, begt au twesters den rörfgenderkten Mackerungen auf dem Emfällungsplatieken. Den Enfährungsluthieke und das Scheibeinfährbeitiech wenden dem auf das Mandstudis der Scheidnischs zurückgezogen, um den Fifer aus dem Entührbestech zu Pisen und ihn bezaugsben, damit eisen averbostnimte Gestalt annehmen kann. Mit dem Zentjeupstem Land der Recovery Filter mit zentjeute Filtersprize abgeligt. vierdon, so dass die Schenkel sien mett krauzen.

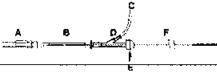
Der Roccuerr Fille et als Permanerditie Instituts. Serentsprachende Mescher auflieben kum die Recoperr Fille nach hreignisten gamin den Annehungen seher Optionales filler Gergungsverlehren gebergen werden. Durch die einsbacher Feiber lash der Recovery Filter statt bleiben und Megrikon, eitderstehen, aber bei der periodanen Bersung des Filhes hach er sich ekarast, verkamen, (Genzue Anbessusgeb zur Bergung siehe unter "Optionales Fiber-Beignsgeherfehten").

HARkang salar. Der emplestierte Removery i ihr ist Millercher und stick micht der Betrieb einer Mit Worldtung a

Des Minorway Files System besteht was ricks and Schiebenhaussystem. Des Messywy siter besteht als Jewil Nam Jotahlen mit Formgelikatiks, die van gewranntsier Manastillse wasgoten. Diese zwaë Dithle balos zwe Mitaboroebener tal Embak die Scrienkel sind die unter e Fit Bronsebene und die Anne die obere Faustonsebene. Der Reportery Filter ich für Verwer dung in early Vena cava mic enem Dumbasessering zu 26 mm bestetzet

Das Ripcovery Piller Schriebsofalesystem ist in Abbetaung A gezeigt. Das Schrebenfällesystem besteht aus einom Emlithungsbreiteck mit einem Innenaughmesse; von 7 Flench und einem Diazeter, dem Resovery Filter, einem Auf bewahrungsacht mit betseinnesähning für ghysiklagische Kochsabiksung und einem Schleibsgelein. Der Resovery Filter ist üt ha Velpadung belais it dem Alfage Aufbewahung ook getaam

Abbildung A. Recovery Filter System



- A CINTURBUNGGKATHETER

 O FOTER AUFREMANDUNGS
- E 150PEN MISJONSET FÜR PHYSKALDSSEBE KOCHSALZEÖSURR.

 D SERENÖFFNUNG
 E VERSTELLBARER TOUHYBORST KÖAPTER

WICHTIG. Losen Sie die Gebrauchschlormation sergialing, bevor Sie den Recovery Fifter verwenden

DAS PARAMAN TITAT SYSLAT ESTS DE POSMATOS SYNTENDRING LINGGAROSAN ERRIGIANA E PARAMAN PARAMAN. cara n kilgenden Siluabonen vorgsselven

- Pularonale Thromboembolie siven Antikoa suksaner, kontrendigeri said
- Versagen der de niversalischnenden Frietable bei fromboernoofischer Eduariung
- Estamburg en Nafal nach massurer kungsverabole, weitt die erwartere: Vertele einer komentionet en Therapie ve ... Eristxyen
- Chronische, rekurrente Lungsverstude, is ein die gerickungsbeconende Therupie versegt hat oder kontraktidisential.
- Der Reichnier/ Rein Lam gerost der An keistungen int Abschalt. Opform es Filter Belgingsweifahren geborgen warden.

ACKTUNG: Ween der Durchmesser der Vens cava interior (IVC) nach Kameinur größer als 28 ann int, darf der Filter nicht in die IVC eingelührt werden.

Der Rocovery Filter gerf im Reigendeg Fällen nicht implantiert werderu

Sotosingere Panerbinen, wenn die Duomekopie den Falla gefähilder kann. Die Resken and straffling gegen die Volteile

Projectes mit Vetta cava Durchmesser über 20 mm.

Patienton mž Hisko liu septeche Embide:

F Warnhinway

Implantation dus Recovery Filters

- Der Recovery Filter Versechna Filter ich bei die ist sein Aufbersatzungsraft gefaden erreitet ner für den ermaligen Gebruckt bushmus Die Recovery Feter delf von der toteliger Poetensielung in die Versalde in intereziele Gebir nicht abgelog werde r et er weit gelafolis vooder in das kalbewehrungs ahr gelader werden kann.
- De: Recovery Filter auch durch dus Brikkhangsbesteck nur durch Vorschieden eingesetzt werden. Zuräckniehen das Sometdiates bein Riccor tärnes dazu länien, discisiot die Rice Natione die Ricescherkei oder some sich heuzar und de Manteromothom, dies die Pasa unter in Ladier, nastorend wageschaber, poston konn.
- t....Das Reposery Filter visters der finns (the den Ferrords-Dogang engeldet wester). Des Antovery Filter und das विकास के कि कार्यका प्रवेतिक संस्थानके क्यून्यांच कि प्रकृतकार, व्यवस्थानंत्र प्रकृत कार्यक्रमंत्रका, संसूर्वकी वे वस पेता, वस पेता transfer Overseurg as Recovery filters and version afferential.
- Bei Volleger gielle. Ih produstengen am eisten Entlatringspol, nicht verstäten, das Fille durch die Mischillen hindurch emaj Green Versichen Sie der Filter durch eine andere Stellt engydrinen. En kleiner Thrombus kann mithide des Til mangsdrakts und des Einfalthungsbestens umgangen werden.
- Verwanden Steitrum Berger das Recovery Fallers but das Recovery Cope Hargungssteinn. Ein gebisgenat hiter darf nienski errejil engelykti werde:
- Filterspekablers for Brungsbester Obstate dien nienes obserfürenssenst ellenbale verges inden sester. Auf dia Fila dat cientale dese fluoreste parte. Kontrolle engelet il werden.

- Versichen Stenkenus der Accover, Fore zu ostger with systkarer fin andstatien genatifiker zurübigereien versi oder van vide Ediaspitze er der Wied der Verzieb/e engebetel beg
- Verwinder Sie nen Binger aus Recovery Litter susschließen das Bold Recovery Cone Engungssystem (steputa verpool. Das Verkanden anderer Produkte nat zu wisselbehanden Lungs verhobten geführt.

F. Vorsithburabadaren

Implemention that Recovery Filters

- Der Erkor sollte bei Schwangeren und Flauer ein gebötlichgen Aber in der austragenaken Pasition aktioert werden i
- Anatomastre Unterschiede Löngen die Einfehrung und den Ernastr des Recovery Cone Systems komplizieren. Be akraf jili ger Besankan digagi Gelanskring kompton kana da f iribby ngayet serkipit und die Waltzerbeinkei ked von Kompiliationes reduzes werden
- Withdistellendefermationen: Wind die Impterission des Riesenery Fitters bei Pasierten ind eigefrechten kyphoskobetischen Mittelschulendelermationen erwogen, eruss besonders vorsichtig vorgegenigen werden, da die Verla ceva Inteliën de Grandform souther anatomischen Delermationen folgen kann. Es taher sohn dass die portuitano Bergung des Filters is ein ackner fait machinet at

Bergung des Recovery Filters

- Astronystike Untoephede kilmon-de Entlikkung und den Ensikt das Alestyory Gane Bergerysaysteres katipistora orgiftiger Beschung deser Gebreutsentumpkor kerr die Entlichungsset verkingt und die Weltspossen bit diel von
- Whitelesis fertal respectiven. What the Pergong dest Recovery Filters and non-Recovery Cone Benguings years be Pales mit wordkanter liverhookstekent Windowstatender (manaren enkagen), mass besonders verzietig vargegangen werd reactor Years construint our Grand cum sold et eneltonischer Deformationen folgen komm. En harr been deuts sich der Free ክ የትንድና (ፍርሲክድ) ቸርጃ ወርጥ በቁቀና ችግን ምንቻን ነ<u>ያ ዋ</u>ስላማ ቀ<u></u>ናል ሽርርከነበጊ የተገኙር የ<u>ዋ</u>ርጉ ችርር

- Mgration des Fates. Dies kein darch Flatzie ung wener zu großen Vena care er einem Gutchmesser über 29 renten, oan went nietz die notdigen Herrik eringerechtik en verwendst werden.
- Periodéen on Yella cays Wand they have passered ment mobil die notinge Englishungstechné various det wild Cara Olichaico, Das Risalació, එයෙ. Kos සම්ක්ෂා කාර්ල එස් මෙනෙ Patien'en හෝ Longerechtie ගේම එස් එයා සමාද Tungmerhöße dyre htte verüst vidvischertkal ett, grigen das filsk ölllüben. Verhältlic abgrökigen werdet i

H. Erlogierliche Materialien

Es venden die andreichenden Materialen bereitigt:

- Fin Recovery Filter and Schooler Althosystem bestellend aus:
 - -Set ava Einführbesteidt, 48 om läng i7 friendr Innerstundhmesser, and Okstalar
 - it Authorian inguists this geleastern Recovery Files and Schledictions poster
- -0,033" Führungstahald mit 3 imm J-Spötze, 150 cm läng ode: kängst
- -18 Gouge Zugangsrade

- -Sighler Versitge ungsamhauch für Kochsatzlörungsbod oder -infasion
- ill a nakravedgon Grandristerial en zur Verengerickten: Stalpet. Nr. 11 Kinge, leit die Antichoeie Tüst er ver
- Enkirvangeboesek boskat and zus 0.098 's ein: Fabrungsatzin mit J. Beitze. Z. gaz genadel, Fri. 11 Kings. einz 10 Sprice (9 vor. C. B., Bard en áltich, Katalogrummy) 400(E.

Wome sich der Arzi für der periodene Bengong des Recovury Fallers entscheider; en das Recovery Come Bengungssystem v

Entarges, des 7 French Endichungsmährens und rerlächge Yenographe

- WAINER DIE ERSCHEITER DES TREIBE GERTAFERIGE GESPEIGERE, DIE PERMENT DES ACTES DOS DET L'ARISE DITTE! Venezi brombose einen greignisten hendisten Veneraugsang auf der necktes doch Innien Seite
- Henner Sie Vorberatung, Abdeckung sowie Betäubung der Zagongestetie entsprachend der Florine vor
- Wählen und öhren Sie die Fiberpadung. Öffen Sie die Kill & Padung, weiche den Erklähungsratietet enthalt.
- Macher Sie mit euser Nr. 14 Klarge einen Schnich in die Haut und achallen Sie auf einer 16 Gauge Nacht einer Veranzurgung Filtrer Service Filtrangstabl and J-Spript emand activities. Serial requesting back the district Year case over Nava vo
- HENVERS: Wenn beim Einführen über die V. temoraks Widerstand Kählbar ist, ziehes Sie den Führungsdrahl zunück und

überpollen bis die Carchgängigkrit der Vone Rubroskoplach mit ergelden ei her geringen Monge Kontrustriftele. Bei Vorlegen eines großen Thronibus ontlernen Sie die Venenzuganganadel. Versusten Sie denn die Vane auf der gegenüber liegenden Selle. Ein Meiner Thrombus kann mit dem Führungsdraht und dem Einführungsbestech szagange

Emternen Sie die Verenzugangensdel über den Führungschalt mit Ji Spitze-Schieben Sie den 7 Filmon Bertiknungskanbere averammen met seinem verfüngten Ditatator liber den Führungschaft im die dietelle Vona dave sehn sehn Maca.

HISBNES: Tuguestics becomes the statement and Postiminary that Filters use the Eissterungskatheiter rängsordichte Markienungen. Die rängernd einen Markierungen auf dem Einführungskatheter bieben "ein "Artenbied", meineben dem das Etter uns dem General dem Bestindt und dem Einstelnen bestieben dem seinbe auf be-

Enthorier: Sie Führungschiebe und Debtater und Debassen des Enthinungsrahrene mit des Spitze in der debta oder Fasse, Spillers Switzer Aufwertsteffeltung der Dordtiglingigtest des Eit fährengaltzheisens periodselt von Hend voorzielt. हुला दिन क्रांस रिजार्डाताहर रिज्येक्टरार्टिका सुनौन्द्रशैन्तर रोजा बना रिटर्ट स्टान जा.

HBN/EDS: Des Bank-Protektor des Einfohrungskatischers wekst ein besondwere kromsbeigen auf. Es muss werglicht der auf protektet werden, dasse die Vorbinskangen heel angeregen werden, aber ohne dabei übermäßige Gasant anzumanden, die zum Brechen des Steri Produktioss Whate könnte.

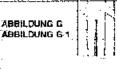
- Esselus: So en Standa divididar Vana cera interce ignacionad. 34 in Kuldussmatel bei 15 kehji Kindidisen Se auf Throntom in der V cara, Poster der Necessamen und angeboerne Androden. Wähler Sie die ophrate Höhe für die Editoplatineung und messen Sie den Ondomesse der 100 mil Resied ziet. Verglößenung im der Hagel 20, Prozent.
- Schreben Seiden Erfährungsbattigen unter fünd jelopsacher Keitrofen die zur genörechten Höne Zur Erfahl krung sollten daher nieder die Filhungsbattigen der Dieletze einzeligen werden. Ein die Erhähtung des Erhähtungsbattigtes durch de Viterande sollte Schlie Schlie Schlie Batten die jurie son lieden von Behalte.
- Maharan, C.: Ether as a Schiebber Correction was down to fit.
- 11— Schreich Sie engeführmißeret im Kucherteben gunte Mehending einer Staddich ingrinder naside zu den Serbspel dies Präsigne mit weren Sorder Norderdrösung nicht die Stadt und die ein Kufter allt langs im des Beitre der Beitre von der Schreit Seider in der Schreit sie der Beitre von der Schreit seine der Mehendichte seine der Schreit Seider der Schreit sie de

RINGERE Es ist sehreichtig Bass die Durchgasspijleit des Erführungsbatheiten mit der Kochwatzspilung mulmetheihal Inn wird dahlt ibes eingelechten Segment das die Friferradienten 1981 und Hörlig erterniort, nicht mit Gerhansen bestecht wird Dies Wurde Grin Filterwinklitz streich

12 Scheiften Seigestrau Ende des feter Authouds ungsohre driekt an den sich bereits in die Verei befruckting Diriktingsphalteter au und kange. Sei die Kochsabistaungsmissen einige Sekenden tengen die VC (toßen, Od Emittelengskabeter und das fiktolisigensystem massen dur könnnerung von Redung gerach, geracken werden.

Freigabe des Filters, abgebildet





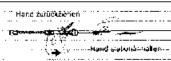
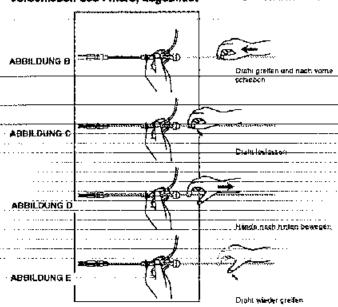


ABBILDUNG H ABBILDUNG H-1



Vorschieben des Filters, abgebildet



- 19 Accitation Sie der Filter durch Vorschieben des H\u00e4nds Sphilippdants durch den Einfalteringstatheter, so dass die F\u00e4at bei jeder Vorschiebengung des Schiebdratte vorgesamben wird (Abbildung 8-F). Die im Sie des Sonsklatert nicht zusich, der Schiebdraft dar jum rach vonne gestinden werden, F\u00fcr dem tierdabbang durch die Altz kann der batrief-Schiebdraft zu einer Schiebdraft serden, ohne das Mitmol-Matterd zu knoben damit der Schiebdraft fachter gehinden habt verdieringen vorden bann.
- 14 Schreiten Sie zebonge mit dem Schiederich noch zerne, be die Filte mitte den fellendetet. Untriegten am deptim Ende der Ernfahrungsbehörige ernecht hat Das Hennistert, des Schiebballts sodie sich jetzt neben dem V-Assozet beforden.

tik infragabe oro Brasile dos Filasa eriolgas microstantas de ista-

This time is the second of the second transfer and this term.

Abditung F.I. Filer pestamientin Entorungs abete zwischer den rüchgendt der Mantierunge von Einser in die NC.

NKOCIS, <mark>beim Ernetzen d</mark>es Eltera darf er nicht über das Ende den Einfähnungsbetheten hinese gescheten werden. Legen file den statzmären Eitter keit, indem Sie statidessen den Eidkönungstatheten, wie sotten hersch leben marketzieben. Getarn Sie den Führt getaftet, isstem Sie ihm in der NYC wie folgt aus dem Eurführungständisch Massn: Peutisonienen Sie die Führungstes 1 um unter der Untersten Massenwese.

Abbildung G: Haben Sie eine Hand stationär und siehen Sie mit der anderen Hand den Y-Adapter und des Aufbowahrungssehr vollständig bis über das Handsbäck zurück, wolkreh der Filher heitgesatzt Abril.

Abouting G.1: Frederich des Fibers in der NC,

-faild dung in this feature do this do an East des francesager a guige

Notificing H-1; Dor in for IVC engasolate Filter.

- 16 Ziedres Sie der Schwinz ziel jehr zusäch er das Aufberkaltrungs des "indem Sie dem Vindigher das Aufbenöhrungslicht und der berühlungslicht der Gallen und den Schwindlacht nach fürden zielnet.
- Falter So ord dej pesychieher Acets action agrapione deter or Londonter Trapholister for, an den Entithoris a allege deschaining as helps.

Bild dor Versi cava for Kontrolio

- -9 Exterior Six den Embrungsscheite und kritikrigen Six der Zappigsstaßt ertspreitend die Rindere wergewähllichtet Kontressen, um Mancatate zu errächen.

OPTIONALES FILTER-BERGUHGSYERFAHREN:

Bergung des Recovery Fillers

ADHTUNG: Es wird drangend empfoblien; den Recovery Filter nur mit dom Rucovery Cone zu bergen.

Erlessterliche Melerinties

Ea werden de nachstahender Melariates bendegt

- Est. Recovery Come Dergungssystem bestehend aus:
 - -Set see 1 5 Väntsetieck, 75 om lang 10 French kvieskiurchmusser w.d.Dialator
 - 5 Y Aduptor and Recovery Come used Schicosoft Interesting
- QCDF Führungsdraht mit 3 mm J-Sphite, 190 die lang oder Kinger
- i E Gauga Zupangsradek
- 12 French Difability
- Kochso und sung
- Starter Verlängerungsschlauch bir Kuntsschlaungstragt vom Spraw zur Vriusion von Kontenziörung
 - Alle netwandigen Chandraltecaten zur Venerquinfelen: Greipel: 14: 41 fünge, invole Anlathesie, Tücher utzu:

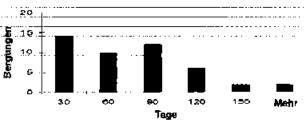
Minische Erfahrung

in Kanada hener 50 Patenten von einen einzelnen Profezzi in Zusammenarbei mit zuen Kofugen un abors Kvankonsbusen in und im Norwio den Megovery Fitze nach den Volopfellen des Special Access erhalten

tra Vissendaben har ein Aug des Archie broketien. Die Bergung erfolge jedisch der du o<u>r Aute mit ierreb erderen Machelenn</u> und auchren belgebergten Arbeigen.

Not der Stimplaniseter, Fårrg vurden negesant All millerat, E-Files Legen noch und A Fraherten studen auf unphaberten Ethomiaus Grinden ehre Zespannischung mit der Pitalberung oder Sergang des Filters ("eutömis-Karts, Poystowate untphatments— Angergaben sowen klamenharjorden Schlagsstollt, Der Zeit bei zur Bergung betrug 1 ber 161 hage en Stockholm A de Toge kinde — Microgiannen).

Zelt bis zur Bergung



Das ongge vedere unerwinschie Erogna, das bevolltet wurde von ein gebrochener Fitzigem und Ander Dieser Filte war bei einer in ditter. Tomoster schwengeren Frau inhavend auf der Hilbe 1.14.2 plateet worden. Kalenzele engenoomen "date de Bourt and Bleastungen durch status Visiomunic und Einbersang des Hakers in die Knochengewabe der Wirbel bei der Einten dang ung dia mitalangkan Palawang ambikad lilinos yar. Dia Pista waldo atne Hatan gabagan,

-	Zusammerines	ende Durafeliung	۲
	der stinssch	en Erlehrung	J
_	Accept the condensates floors and Filter	50	L
	Persona Flierbergungen	en en en esta 👰 en reserve en	}-
-	Carration forenergorisen	Lightsammen and Temperespisons	t
_	Alas des Patienten	8 89 Bahre (52 Jahre im Djychschnit)	Ľ
_	Greed tie die	Filter plackbaring	Ļ
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Vorgaleružinycise

Eintersgen des Einführungsbatheters

- M\u00e4hlen Sie enternechend der Gr\u00e4Se oder Anatomie das Paltenten , der Ph\u00e4horenz des Anates oder det Lehalsberung der Zenal beginbosk einen gregneten p.g. lanen Venerzugung auf die reckten oder baken Sate.
- Mehmen Sie Yordereitung, stiderkung stelle Bestaltung der Zugangsstelle entstrachend der Roathe vor.
- . Manlanung ättern Sie die Resonerp Gove Ketheterpastung. Öfters Sie die Kit in Pactung, weiste den Endfreungskobere enhan. Dermac Sus etc. skip his it viente noor Schott in die kiert und nebeführ Sie etc aber 18 Source Hode einer Venennerung
- Führen Seider Führungsdicht ein sost scheden Sie ihr zu andog bis zur britabierung des zur bergeiten Recken y filtere
- Entlemer Sie die Verwinzegungsbade treet der Extrangestallt.
- Das als Zugang gewählte Geläß mit eisters (2 French Okazaro) vordiktieren.
- 10 French Erzühn and ahnder nauermen mit seinem vorjätigten Distator iber den Fillburgsschabt in die Vere sicheben HHG/EDS: Zuganzten bezoner Danstelbarket trägt der Einführungshaltetin am Galden Ende des Einführbestecks eine
- rôntomatorio Markierung Erdomen Sie Führungsstalt und Gilatat wird Belassen den Erdültungstatteter mit die Spitze in der gewijn den Paston Spåren Statzer Aufrecksamblung om Durchgångigkein der Emiliarungskallaturs per extern von Karal som kragen Samene konstants Kochstabburg-Tordinksson sin Kalliebotae
- Erstellen Sie ein Standardt 21 der Verü davs infendr (geschnich 20 de Kristriathold bei 15 hie). Könti dileten Sie den Etile auf Throntien, Bei sig ift anjer its omben anstralling im Filie diel die Nedderly Teler nicht gehörigen weden,

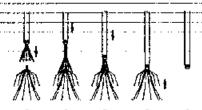
Finitihren und Pastischeren des Recoverr Core

- 1). Hebrien Sie Cone und Scheberchfregeten aus dem KA fr.
- 12 Spülen Sie das gestrale Lucren des Constathetes und befauchten Sie der Cons mit Kodissatzügung—voraugsweise mit tipizn selej Kadisal/ásusg
- 13 Zieben Solder Com Languag in den Y-Adapter damit der Concision zusammedahnt

HORWEIS: Der Core mass vollständig in den Y-Arbeiter zurückerzogen sein, bevor das System en der Einfallmangsteffneter angreschlossen wird, die nur an sicherpunteilen ist, dass der Core jeldet durch den Katteter einge bescht werden kung.

- 14 Schließer, Sie einen 560 all Bewell oder eine Spieze mit Kortustzäsung an den Sotenport das Y-kdapters all. Lassen Sie die Kootsalbössing Vetasion is Sakunden lang im Y-Adeolee van den Berourcassine Radien. Schließen Sie das Toutw-Fors Adapteryeniii, um den Rüddiuss von Kothoulzkosang zur Zukübrung zu monnieren, jedool; nodel au lest, dass sich der Schebschaft nicht mehr bei vorarhieben blast
- 15 Scharlen Sie dar minst die Ende der Y'Adapters trätten in zammen aufsteten Gene deelt in Wirt Feltfärstet ioning von Rathung gesäh gehälten Hattlet
- 10 "Schapen Section Core could no scheden कर छिलेक्टरकार्यक केन्द्री केन चित्रतिकार कुनैत किसेन कर दिख्य केन (राज्य र्भाग्यशीकारक्ष्माट् वेक विद्यालेकाम्बर्क स्व कृष्णीकाम सरवे
- Schleiben Sie schange mit dem Schleiberütt nicht vorrie bis der Cere die reitgerstehte Mechanung aus Geleich Ende des Enfolkungstathetes erischt hie Erthuten Sie den Cane dacht er sich stad, indem Sie des Schott sich in zum und dan Trekteringspeker einschafte. Lindah ningaksiheter zuloakzenen.
- Erlasson dos Rocovery Pitters

Bergung des Filters, obgebildet



16 Soho Abpitagoge 8-f., auf dense das Erlasser des Recovery filters bildert dangestelt at.

Abbärtnerg R. Scheber, Sie des Conn meinden er sich sterhalt des Fibers gebliset bei Sher die Eilberginn, indem Swider Einbildnungsfazheset szakodá haten und den Sezhal vondtreben. Es end employier, von anterior sotvág az durchistonier. um estet ibergrisen zu kinnen samman ma Coccuber per hillespiter beforte

-Abbildung Ex-Cohesten Gerten Consister on Filosoptes, indem Sorden Exhibitation into that den Cott scribbe and den Schalt diebunkt keilen

Abbildung De Schlesen Sie den Einführungskatister weber liber den Done vor, bis sich der Conte im Einfährungskalteite before!

Abbildung Et Bergen Seloso Auter der über dem Fähr havsammangstannkrind sone ihreren Sin den Ethildrungstichtete stabilizaren erat den Schreitschaft in einer gitallert, kontinuerlichen Bewegung britist beliebe

Abbildung F: Der Edler ist in den Landarungstehniste zunlichgezeigen.

- 10 Habb dom Zintlögnener igde Emtling ag Alabetare hann zij Krotobo ein Sild dat Veno dava (geryddiniot 30 m)
- 70" "EFFEREN Steiden Lüttigings abhele icht wertriger Sie die Zugengezielle eitsprechens der Reidne weigeköllich mit Kongression, um Hámostáva zu exectiár

Technik mit führungsdraht

<u>. Dis analographe Univerticale picti ant die Ros (on des Rienavery Etters ausamben können, bros eine Tachak ind Eldann patität</u> ___\$0000001865._

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---- its as satisfaing, das Coles des die Spaar des Riccourty Friens sesses discent, kare zugunsten conscisionen viorschubens aus ---Cone aborate Enterprise vivi Pétrungua am europeat war con.

Tierjen Sie Eritten regitabliebei und Con jedrati von der Spitze das Fillers puritei. Führen Steleber 10,000 Tierigsdraft (mit 3 See oder stroppersone Spice; es end einer diten, einen Führurgschaft mit ingeleinber Beschichtung zu vorwerden) durch das Tentral Europhies. Schleben Sie den Filtrengsdate derdi Consund om Filterber seh an die Filterprise Steht lest coss der Führungssteht die Fillesspitze berüht, oder nah en der Fillespitze lagen, adwesen Sie der Cone über den

Féhiungslink bis av Frespike Schieben Sie das Einfahrungsbestech von bei die Done sich leicht über der Fübergerts laber. Ziehen Sie den Führungsdraht in den Schenhardvald zurück.

Falues Sie mit der Bergung das Fibers kon wie in Schritt Hib beschrieber-

J. Defeventing

Jeder Recovery Fitter und der die mittelden in seinem Kulbestalhanserohr oderlieit. Bei omzeichnete und anbeschädigter Padlang est jedan Receivery Feer stain und pyrogenier und für den Estinageorgadi, vierwerdungsbeton. Das Autborkabeorgsteht und das Schebestönsystem and de tig number i Wess der Folk vorschiert da aus dem Rein gescheben kurde. Daf ei facht instellt sick cos petaden wenden

Historia: Der Ricovery Filter und seine Zubehörteise sowie die Nielersfan kir die Entöhnung und nach Gebrauch potantel bisgefinitah. Baharden end entsegan Be dia Produkti antapisahana anakuncan mestahbahan Pianta unti dier appendituran Gesalte and Varadvillett.

Saystren Seiden Recovery Fitte With (Roumtenseracin) and bod en auf.

Berd garannot dum er Verwerbill Closes Produktes für ein Date ab dem Datum des Badarnieftel, dass Greibs Produkt fiel fein Malenia und Verzeogungsioners est. I'l Habitien Georg dog schilteth Genartie erbig die Genährleidung nach alleinge Ecisel and ong von Band durch Republic soon Austria der des desalten Froduktes oder durch Enstalding des gezinkter Medialist Bresser. Durch nomina Beruch ing vejut sectus i Verschell und durch Mastrauch des Produktes cristiander i Defekte faller nicht unter diese eingeschrande Gerenter

MIRANGEN DES ANYENDRAREN RECHTS ERSETZT DIESE EINGESCHRANKTE GARANTIE ALLE ANDEREN GARANTIEV. ENDL'RIJE (NE) INDL'RIJE EN SCHLIESSLICH (NE) DRHE ENSCHRÄNKUNG SÄMITICHE MYLIZITEN GJÄANT EN HUR OS MARKTRANISKEIT DES PRODUKTES ODER DESSEN TAUGUICHKEIT FÜR EINER BESTAMTEN ZWECK, BARD IST MAYEN GEGENÜRER ANKENIEM FALL FÜR JEGLICHE ZUFÄLLIGE ODER FOLGESCHÄDEN VERANTINDRILICH, DIE AUS DHASIR HANDIHABUNG ODER VERWENDUNG DIESES PRODUKTES RESULTIEREN.

In erugen Busidesstatien nändern ist der Ausschlass erspizzer Geranten und der Hafting für zublüge oder Folgeschaden sicht. muieng. De George liens Bundosstaties Laudes dumen kinns mighthorae se mei bude Reside es.

Section, trauschen diesem Datum und der Virwischung des Productes der Jahre vergangen sein, so siche noch der Anwender an C. R. Baré, fro. xunden, um lastanatation, co mitternole audización Produttal constitución y ordegan:

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Geganghi @2003, G. R. Bard, Inc. Alic Rechie vorbehilzen, Geründichn den USA

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CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

Sistema del Filtro Recavery®, da ulilizzare nella vena cava



Informazioni per l'uso

Abordone, La legge lectrule deal: Mary Unit, Unit, la septie di questo produtte exclusivamente du parte di un medico o

il Filtro flectivery ricipi esenta la numa generazione di disposazio di intercazione ventua concepti per prevence tiercocki polinorare. Il desagn ex materials sections on fitto Recovery assignant in others without a fitterior of promotions is collect none presidence. alternarium renducine programo dissidenti da dismode relementa Phienth con escore difereba Rei procedus di extonstrate è क्ष्मंत्रेते ed easgailtí e con fucidà

li set femblok è progettato ni trioso do poter ovorzona stratorno del progrito deselvire el retroduzione el 48 cm di langhezza e da mes o mierno di 7 Frendi , gradie a un filo apingitore flessibile el misrol. Un cuscinet o sillestremità tempirate, del filo permette di sprigera à vellue de filtro, marcia un segrianto scanalido consente di balteriere e crientare in modo appropriato le gumba del filtra. position promite gauterino i filtro al Nu sponjone diaunte l'avantamento, con a parte e avent, in disevone del extremés des Tale del caletne, positionata actio le vena resalta inferiora. Duretnile purte del libro raggiunge la punto del caletne di mindulein risalera colocata de i macher radiopaula presenti est obteter di edinduzione. Il catalere di edinduzione e l'astrena di applicazione vergono quad utant a qua tempognatura del lió di strata, in trado da liberare e risposare il tito, permettentogi di spoendere la Toma prodeterminata, ll'esterna di centratan permette di sopiantare il Fatio Respony con la guida contrata e provione l'increcio

il filtro Recovere è conceni o come libro permenente. Se potrato del punto di voda chico, il Filtro Recovery può essece crissassi. pa, ar pojectoses dipertemporte describite aduace, igentale nota sensos. Precedena di finezione feccional <u>del 1 dio Respery confessiona al libra ignità e risiste una ats magnazios, ma si definimano elestramente durarte la response.</u> perculadea. (Per le istrución relativa alla companie medere la sectione Procedura di concessos lecchanica),

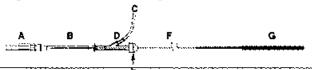
apalitale con le propense d'Ald Ligoriants del Edus Ressaury è sistes per le provense di Ald e non isterie que e é é diletr asi kungkantanta dagi garutaya di Rui......

B. Descrizione del dispositoro

T saleria dal Filio Marcoliny e costudo dal Fisia e dal Saleria di apparazione. T Filio Marcoliny e composo do diodo fili di necol em memorazzanne dello formo, ette er dipartono de un manacollo centrate di netroli Ducata dodos de formano due Presi di Barrasone degli embale la gamba preticeccano il lu ello di diazzone difenore, monare le biacco repprocessaro il 1, doc di Brizzone superiore. Il Filtre Recovery circles of Ren nells very ears on danser district 22 mm.

il Sistema di applicazione del Pilto Recovery è llustrato in Figura A. Il Sistema di applicazione è composto de un interstativa a gueins dat diametro interno d. 7 French e con dissistare, dal film Recovery, de un falso di conservazione datato di por per l'afassone di salagione salesa e da un esterna di spinta. Il Filtro Reso may è confederato premonisto all'ettento del tabo di conservazione per

Figura A. Sietema del Filtro Recovery



- A CATCLERC DI INTRODUZIONE
- D. SET. PERL UNIVERSITE BOOGRE GONOR IN SOLUTIONE EALINA.
 D. PORT LETERALE
 F. KONTROTOR RESOLUTION FOR SOLUTION FOR SOLUTI

- MPORTANTE: Legge is attendements to intrustral points of utilizzate il Fairo Recovery

Il somento del ficto recovery e tradegio por la prevenzione dell'endico prehionale recontrato mediante collectione rigila vere ceus ces e estraz con seguinto

- Specificação de neuficial disparación e confronte de neuficia prioritiva di apparación de confronte de neuficial de neufic
- ў таково бла Інгрія в 10 х дзілік ін 1180 біртокую сотвоеножні
- <u> Tatlament di emergena in seguito a embrita potronicia massira in cri i berefro previsti della terapia conseccionale</u>
- Embute pulmorare cronica recidiracte quando às terapia anticoagulante pur bio antio aucossas oppura è contramitosia.
- E filtrio Recisionary puro ésiséte rémotado hat puntado i la instruction i ripulhada i nell à section el demontrada. Procedurá di rémotada e facolativa del Fiftio

ATTEKZIONE: Se il diametro corretto della vena cava interiore (VCI) supera i 29 mm il filtro non deve essere inserito all'interno della VCI.

If Filtro Responsy non-drye eagers Limplantate in:

- Faventi in stato di grandanza se la fluoroscopa può mettere si periodici baro. Valletare attenzamente i nacini e i benefici
- Faziero a risolici di embate serica

- Avvertenze Implanto del Fitte Anove

- § Filiat Rendewky polita vera litara e promontato al interno di un tubo di portecivazione ed e concepto estilla varrioria comi piedetto monauso. Non applicate i Tibio prima di averis, estito als estrettamente di interne colla verra cava (VSI), in essento i Fitto Recovery non pou essere renscrito el modo scuro ad luty, di ogravivazione
- Compressione del Filipo **Resolvan** abraviasa i debatate di mbaquistat que amende substracio mediante avangunento la mazione del filo aprogênce durante l'applicazione protenho causare di distacco dol Filtro, Americcio delle gamoni i della macos: dello diesco e potretitic pervenime i uterime avarizamento at interio della guaria.
- Il Serema del Eriso Resovery e concepto uncamente per appropa femorat. Non utilizzore mai di Fitto Recovery e i Sistema in accidentative nel caso in approce auprovi cera publice, succide a castemblishi, pointe si otterette u oursiamente empiapa e del fritto Recovery e l'infanco delle vene care infectre. Il
- repplicazione de little attaixerea un arciollemativa. Un trembo a dimension immete pre-accese attopologia del lito quati c
- Региз поселое от 1-его Ансомау поизвет восковате в Storag от Аглесто в Ансомиту Селей. Исп горосате съта
- Non ever asie mai il filo guide e ll'etrodomine dilazione aquive applicare il l'élo senza l'avisito di guido lle viuscupica
- . Not consider from some il Filim Recovery se all'Alanc del Filhe sono present quantità algrificative di trento appare se la . porta del Filiro è incarrara nella junete della veca caza. .
- Per la rimozione del Fisto Recovery uriozzara una emarre il Scriatro di Remandre Recovery Cone della Basci mesdulo: acpanizamentes. L'uso di sian dispositive ha provocato embola potronare recidivante :

Impurilo del Filtro Recovery

- in donne in stakt io grandaruta o in ela fertila (i litti o deve essere colocato in projectore at menale)
- Variabilità ambiomichie possono randute più difficiil l'incentranto ell'applicazione di Hillio. Seguendo alternamente queste etinazioni per l'uso se posseno stravenare i lengri di marimedia e presente evenarità dificialis
- Delatro non aginali: Particelate cauzeta va peste quanta, si mando requantere il fillio Regovery in prisera con adistributori garan escocificación agrificacyo. In quanto la viena cara interprie puo segure e cosso di quaste celorinación assionimos. In questicas la irrespone percutanea del fimo pariente risultare pai difficile

Rimozione del Filtro Recovery

- Variabilità analomena possono landera pui d'Ira) l'Insanmento a l'applicazione del Salerni. Receivary Come. Seguando attentamente queste saturion per fuso a possono elibrevare Harry: di magramento e preveniro manduali dili colli
- Deformazion sonali. Partirokse parteia va oosta quando siinteede muusiere il Filmo Recovere dan il Sistemo di Rimozime Recovery Cone in pagesty control or advantagion: spirate acceptations significative, in quanto is very cova stantone publishment dieses de contrata de contrata de companya de la contrata de la contrata de la contrata de contrata de contrata

- Algragione dei Erg. Pobebbe essere chasata data octocazione ci una vena cova con diametro augenore a 25 mm o se nos sono stale adottate tecniche di ancoraggio appropriale
- Ferforazione della parete della yene coma l'un meticana sur on som etate adoltate teoriche di inserimenta appropriati Contenuos cavale, La probabata di questo evento con essere volutes rispecto di rapporto rischi benesici termiseci in un pediento con embilib polmorare si colso o probabile in mancestra di informatio

Per Puso stato necesson i segulariti satrocki

- An Efit o Recovery o un Bellona di ecolorazione che occasioni
- Un sot con existere di applicazione Lingu 45 cm e con demetro interco di 7 Prench e con diseatore.
- Un tubo di conservazione contenente il Fitu o Recoprery e il pisterna di applicazione a spirite premontati,
- Un the suite do 0 lot policions puele a U di 3 run di landi essa por a 110 cm o superiore.
- App di prégabile de 16 Gauge
- Soluzione aeline.
- -Tubo sterile di esse sione per l'inflative dila somministrazione gozzia a gozzia di soluzione salina.
- -intipil neressano per la vergnociara: bastas, lama n. [1], anestenço tersão, los esesta, son
- kan kit di ertista costiluto do um No guado da 0,035 policilados punto a J. de 3 mm, ago di entata, tustan n. 🗥 e se nga SET PROTECTION OF THE PROTECTI

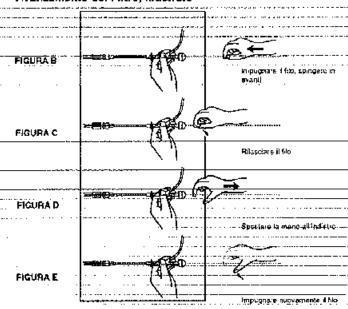
- C.F. Bartirko

Installation de Golden e dust installisher de T. Hensto e yetrografia prelambare

- e una vez di accesso idones polla vece l'emprale suf lalp decre o essistro, e secunda tick paragraphy, challa grapheranges dell' appropriate di della propriate della di graphesi vennessi.
- Selectionale e aprimeiro companione del trato, a premio condemendo del rel al correctionem Colorida di Introducione.
- inclaire la carje con pay legra n. 11 ed ellettuare la venguatura con un ago di entrata da 16 George.
- Inserve à life puide con parte e Ji e l'ario avanzace delicolamente d'interno delle vena cova deseite e cella vene hace
- idis. So as importura della malaterga etaratda la procentiga di Insprimento Nomeralo, dibatra il filio guida o controllara moda rde flucroscopia la parrietà della verra inlettando una piccola quandità di mezzo di contracto. Se è pro ingania, estrara l'ago per la veripuntura e tantare l'inscrimento meta vera unit allo opposto. Un tromps di dimensioni ridatio peù essere obrepassato del filo gueda o dall'introdutione.
- Estimate i ago per la veriguativa signa difungaria con porte a di fina ananzare; si miemo della mana cera distare e ceta veno litaca e sopra il Ricigo da, il calefete di rebodunoce da 7 French assiente al distribore alfonolido.
- HB: Il caletere di infradazione persiode tranter radiopadri del facilitato la visualizzazione e il postetonamento dei filtro prima doll'applicazione. Il puntor radiopadri sul caletere di infradazione fornizzano una postetore "bassagio" unito esti collocare I filtro invocalialmente prima dell'astrazione dalla quaina e dell'applicazione.
- Remarke et (joiguido e a distribue, mantenendo é cabalese di industriane con la punta nello vena corra distribu a nesa vena Raco. Per montenere la penderà del calintere, accacquarto manualmente a intermitienza o collegene al cardiore un sazerra. poi l'infusione concinua godos a godos di eskupone salina.
- ocazoni con formezza, ma evitando una foiza eccessivo she potreche causare la rothura del raccordo
- to exhibitatives and fibera metera and disease and a Cally support tests with the constant per linguistification (i personante 20 kg).

- Far plantative il catorere di initi odizione all'aren ordezione), servendose di gui de fluoroscopice. Per facilitare queste opera appore il fino guido e il distance dispara passoni censorii. For l'insermente il impactio la guida, del tradette di estructuraren de renovarsa il consolio le vera centrali referencia.
- Estiparte € Milo e dissolution di applicazione do Mc B.
- Collegene una nacez de SK mild accuración si par referebi delle fettation e Y tiamés un set di Abusaine starolycó.
 Lescie flucie is sature atturco a l'iten refutable di conservazione per 5 secredo, el mode da armodotido primo del passalego alberenas o cultores di Abusaines e. Registra de del del diskuscione mimos da obtenes en vivolecto del consistenció de del Starolyco de vivolecto del refutación de vivolecto del moderno de moderno de moderno del moderno
- 21B: É motto importante mantanoro la ponieta del autotero di introduziono mediante il flusco di solutione estina, un tredecato il cognettio estralata che estroggio e oresta opportunamente la gamba del filtro non ni catrilisca. Giù petrobbo infatti infortarre con l'applicazione del 1810.
- है (coesgate mesterman toern diel und drocktier van die hit die bestehen ein motous of tree violend vens te standoffare per accus eerdag is stels one eerda affanen die stal Par mann stale fan it on stalen ein die stale e mit naastelstale eil Sciens die populatiere Estitate of

-Avanzamento del Filtro; Illustrato -



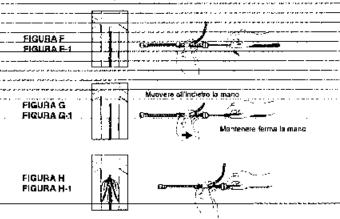
- 13 For promotive di Pittor muterante in accordi à lla georgitate en mineral attraverse d'occident di introduzione i basendo a promotive à l'Essa port organismente in access del lla opinigatione l'Appre Biffe, Montraine Biffe apringatione in mineral gue descret autres pronoccurs piegonisest del minet, per facilitare i la management del minet, per facilitare i la management del minet, per facilitare i la management del minet del propositione de facilitation del Biffe appropriate.
- Continuared movements in analysis il la springtime has a charla public del hatro reggrunge il marker natiopato all'estreonto
 del tale del categorie di conditatione. A questo printo il impognativa del Ne spingrare dovietbe involvati in prosentia dell'acatationi dell'.

Alleggiotoppicasions del Nitro

- 15 Approare a Masciare & Pho sequesdo la istration seguests:
 - Figura F: Teneza Samamanta Terpagnatura sed (Ausprogkule
 - Figure (- 1). Pitro possine una silismento dei excelora dividuadazione nel mantro modepuent primor del apprionatione nel CVI

ties: пым аррікальне в Рійко кріворенняй о кіте Геволевий дій савинне аспектородняю, наклачине кумнов на рошта аш ниг Задильням о півносно її сивинне ві іткогошости компе віністій і тождовко.

Rilascio del filtro, illustrato



Postationers is parts del Filtro executivemento la grainea attendente della VCI come segue:

Postationers la partici del Filtro 1 em sotto la vona censte inferiore.

Figura G. Mardenes do Ferma una mano, eficiacado fieltra mano por obarra Cadottadoro a Y e B Lida di conservazione exemplotamente, a oprà l'impagnatura, acoprendo e vilasciando il filtro.

Route G-1: Estrator e do Petro dolo guant, helle VCI

ingura in La post one dele mantar lemme della protechie di estratione della giunna. Sentra in la Pillio a sentitala per a VCs.

- 16 Dispiració filo spingoro mi tubo di consenzativo exaterando fermentente Patabariore a Y Tatab di consenzazione e il gruppo dei estabas di applicazione e trando el indenne il Rolangelme.
- THE PROPERTY OF PROPERTY CARDING, ACADING THE WAY IN A PROPERTY OF PROJECTION OF A STATE OF THE PROPERTY OF TH

Venegratio di controlio della vona cava

- 6. Signi france de la sagrate di commo della repositazio de manare del manare della recollenza della recollenza del manare del ma
- -16 «Вижновия в сийсно в читось поме в синдийния в или в раздил вессивы в разделыми росунскийм выбитился.

PROCEDURA DI RIMOZKONE FACOLITATIVA DEL FILIRO:

Rimozione dal Fibro Recovery

ATTENZIONE: Si consiglia caldementa di effettuare la rimozione del Filtro Recovery un camente con Il Recovery Cone.

Total recessor

Per fluso sono necessami seguent: articiò

- D: Sistema d Birmazote Recovery Consedia contlete.
- Han set con carece e dilegaticazione kingo 75 cm e can dienero interna di 10 Fieron e can distatare
- Am exteriors a Year. According Conditions on section (Capping arms a special
- Unifie guide do CARD polite con punto a dida 8 min di larghesta peri a 110 cm e superio e
- Ago di entista da 18 Gauge
- Džatakov dž 12 French
- Solutione saling
- Tuos sieme di estensione per il l'alexant di solutione soltra gottile a gottile a siringe per l'informat di solutione soltra
- Tuto il recessario per la veripontina distun lama a: 11, arestetico locale, tel sterili, ecc.

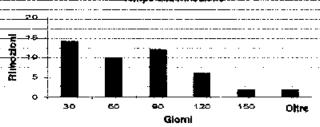
Espedenza clinica

া দিয়াৰ নিক্তান্তমুগৰ সক্ষত একালোঁম নিৰাৰক ব্যাক্তা এনকৈ বাৰ্থকাৰকাৰক ও ৰাজক কোইকুটা মান্তৰ অনুসৰ্বনা উপৰিচল বা Turanic su 55 অনুসৰ্বাচন কৰাৰ্যকালোটা আছেনকৰালোঁ হিচুলকাৰ্যকালন

Humatone à deposition no maio vistouis ecomente no un medice, la rimazone e plata dilatinis da tre made, con personas di Assuranzo o metrophetico di magne diversi.

The Stiff integrant of 41 sold exist integral, 5 short in the integral of 50 stiff integral of 50 short in the 22 sold participate of 50 short integral of 5

Tempo alla rimozione



Molonium depo to repodene è durato in meda 8ºº giora pirtenzilo compaso da 1 991 giorni, La maggia parte do dia 19-35, 1 grava compata eltrarestata rema gouglare interpa despo, ma attani sono atto forcos: attraversa la cana giorgiare e intere sicilar. (mai) e la rema giorgiare collata de mai) Un Biro è attala impaso che organizamento desente un operazione di resettiva di esta lamate ma que da la massa harmate incless acolto di esco. Liche metri di desente alla lutio mangre i trasponare della discono materia at poste i di esta trasponare di un decide con accomendata ad poste della Sectiona Resente più accomendata di attanta di puri la con processi di Sectiona di un decide con accomendata ad poste della Sectiona Resente più accomendata di attanta di puri la considera di contra di attanta di atta

L'unes altre events en ense républité indicital e notine des tracció e del gundo-del filtre. Consta libroura cultrampiantale in ensequiente el lazo dimente de grandata e le prospore allamente e o fuede abble materio el 1.1.2. La notata é dista angulata distribuien dependa però aut libro en prosizione informació, che è provocaso una desessione agrificativa del ganco e la sua perutazione nel lecondo como della materia. El filtre è sido accipanto, che princide genero

Trbe'li :	il rieptioga
coFeeper	ionza ciirdica
Filtri Recovery impirately	
Praezioni percutanee dei litti	\$5
Paracricos, chiur giche dei filid	1.(Concernitante a resezione iumprate)
Elik dei perioru	8-89 seri (media 57 ann.)
Helityo deli tra	plants del Fitto
Conhordscarroni elle terapia anticceg sante	60
Completive associate also beratio actionagularite	13
Tempis articoago ante non riuscila	3
Profiles	2
Tempo alla impozione	l 161 dom (meds 60 glant)
Fotoviuo depo la rimezione	1-901 giorn (media 325)
Complicators appoint	e alte rimegione del Filtro
Terrihe	3
Poliure del gancio el seguito alla fermione provincata dal	
inga yo e dal pario sal dasposino cilia erete	
Embolia potmorare asimboriatica dopo la nimozione	1

uso del presento profetto.

Data della aktione, 12701

Rider Invento Sectionar Mico:

TET: 1-486-894-9515

P.O. Bax 1746 Tempe: AZ 85290-1748

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Bend Posipheral Vaccular, Inc.

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1-800-440-5076

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<u>Bard Limited</u> Craston 1 %

....RHOU ARP.

| Fig. , Recovery device assess conservate in an large hesco (a temperature ambiente) e ascisato

Bard garantique all'aggin ente originatio che il prodotto sarò essette da diletti di materiali e mascodape a per un percodo di un anna

presente granzas ambitan non inducar é normella consuma o logoramento del produtto con fluso, ne i debid originates del cultura

SELVICIO DELL'O PRELIGIO DA LE LEGIS ETICHE MUNICIPE, LEU STERRES ARTHURARASISMENTAL MULTI LE

<u>DOMEITA DEL PRODOTTO PER L'HIAPOLICAZZONE SPECENCA. LA RESPONSABLITÀ DI PARDIFICA MOLLENIZADA.</u>

ALGUA CARD DAMBINE TO PURBETHORIGINATION PARESPARED CULTURATION & PRODUTTO.

र प्राप्तका प्रदेशीय के जिसे करने हैं एक स्वेत हैं जिसके हैं। यह स्वेत के प्राप्त के लिए हैं के प्राप्त के लिए

Branch accomience & 600% & 64 CABATO Aprobando in abase á roadros pro-

Pyerenton Of Pulmonary Emboksm - 2000 (Piets 12), Elective 01/01/01

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Bard Recovery & Recovery Care not a march tegiznet & C. R. Bord, lot & distrust sense face

N dispendaka di uterion informazioni ralabye ai proficto

O ATT LUMP COMPLETE CONTRACTOR SERVICION DE CONTRACTOR DE

rt elegisarra, it aligas desputar mangrapartum atmos acrisatuia debrigadore impede e del discussió distribito. Politabi

Riel caso in cui siano passati 3 anni de tale pata at aco del proteto, a prognitationte di molgonaliato C.M. Dand, Inc., per agrundre

ACR Standard For The Performance Of Percytaneous Permanent Infords Very David (MC) High Plagement for The

exila čata ovgrana di expusia Alisens di quede guernas finada la restra responsabita ngrandora unamenda la ispensema Socilizativa sel postito distinon nel exclusiva domoromo di Bard oppine i responso qui prepo posponamento, la

latronioni procedurali

inscrimento del Caleiro di Introduzione

- Selectorare una vari di accesso informa nota evera giugulare dul labudostri e dividuo e acconstito del protecte e del protecte e della praesione della protecte, della preferenza cosi oppratore e della praesione della unitata ventosa.
- 5. Programe, cogniso con latricione e interfebració deste de perfere recreate de procedure standard.
- Substantie e apier la confesione del caleire Recovery Come Apier la cardiname del Rich confesione del Rich confesione.
- ्य, प्राप्तकारक कि स्थार देशी किंगियाओं जा ना कर्त है किंगी अन्य कि प्रसादिक है जिस कर बहुत के समाधित कर पर पह
- . Inserved freiguete e lario avanzare serizazamente ano alla pristanno del hino Resovery di impuliare.
- C. Estore Laguipo la vempativa asqua é los guido
- Pub distante è vaso mali essalvi con un distratorio de 12 è metali.
- I/III: Il cativiere di initroduzione prosviedo un estrico sediopare all'extremità distale del deletere, che re migli ina la visibilità
- 6. Richarder è tro guida e è districci, marrespenda è caretine di ritrodutione do lla perta richa possione appropriata. Per madricate la prevista del caretine, socioquado menuelmente a trienmolenna o calegare al caretine un sinema por trabatore cardicas guarda a gonza di solicitaria estina.
- 18. Picepene una ventgrafio del acerta della centa cona el elime (seinemente il) en di mezze di corbona el la tros. L'influente la compensario del forma del forma del forma presente una quantità nutre del contra modurato me di Faco Recovery.

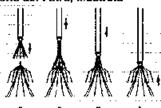
- Insertmento e applicazione del Recounty Cono

- н. Едган брож ей захыга фартадом а брага ад Каф -
- 12 Baisaquare il lume contrate del caletere del cono e begnare il cono con salutione salmo i protoriplimente eparatzante
- 13. Activité sentamente a como affinhenso del adictivose o 11 per las parvadore a como.
- NB; Prima di collegare il sistieme at estelere di introduzione, il cono deve essere ritattio compiutamente all'interno dell'adistratore a 1, per polo i essere applicato facilmente attraverso il catolore.
- 14 Edyogane kma szoco da 500 m² o kma sango di soluzione salma si port laterate del luddiatore a X, a estar fatra la salinta attorno si condidi simpaone nell'apparate a Y per 5 secondi. Springere la valina del ladiatione Rasty-flacet per imministrare l'influence di obtatione della excepti del gegatione, ma non al reigent trappo, prime en impose obtata acceste expiragione di minimistrate.
- 15 Cofequie l'estamblé mostino del adutació e l'accionante i constituire duellament di adatave di introducion. Pre immostrata i puede protectiva destrituezam o inspositivata e l'alsighigité applications del hiro.
- 16 For improve à coro nuccesso à quiesse aproblère et acoro response à colores di evaluation, avantand à coro ser entre modernation promit del californi addition
- ogn merimento in anuno del calatere apingares.

 17. Contro, se il mermento in anuno del fin sorra aperate in con inaggiungo i mentre indicesso. Al establica del septembro a con il cono inaggiungo i mentre indicesso. Al establica del septembro al establica mantenendo la mol inatele a pungitore.

Cathura del Filtra Recovery

Rimozione del Filtro, Illustrata



18 Le casure del Fèro Ancovery e Sustrata nelle Figure B.F.

Figure 8: Outputher complexation species: possesse superiors el Filtro, tot arantise el corre sulti partir del Filtro mantenende terme estretere di introductore el sociolo evaniare el socioles spingiore. Se canagia, di calanire proce un introdyre fluoreccopica anteriore diffugia per confermare la possesse consta del condicipi a la putita del Filtro.

Figura C: Purbudora i come sopro la punia del Fibro Locando acontar e i caldene di rubo Azione sopra il cono monde a mandiar a larmo è carattera springiare

Figure Dr. Contrigues a la respecte ficialism di introduzione copis il comi fino a guarate ficame di trata attratame del catalone di recognisme.

Figure F. Condition rightims appeal from immunes of Firm mathematic beautiful elected in tendential electrons.

CERTAL STANSFORM OF THE MEMORIES OF CONTRACT AND STANSFORM OF THE CONTRACT OF

रिकारपुर्वाचीय के कार्याचीय देखीत प्रकार देखा।

- 10 Signe d'ellere una venegrale d'entrate della vene cava daport, ribazione del calquere. L'el productore (soldanente 30 ml. di miscro è contrato a 15 mls).
- 20 Remarkaç d'exterior d'introprome e comprenere i sito di purione gerundo o procedure consuste per pervenue el cometas. Filto quida «, lacraten production

A cauto della variabilità angiornico rispeto tile positione del Figlio Nacionary si prosono attarrer tetricho reporte, medionio file

A castio della variatica aristettico rispetti del programa del Fillo Habbaray III podonte ambarat sotto in material. Trato in material i della constanti della

एक वस ५० क्यांक

Se routs difficie às exentage à consistant à public del Paiso Recovery, è possible unazzate un prograte per bactère l'accourmente des consistantes del fabb.

Rimovere l'inhorbiture e il capture dei cono della popurore della porte del 14m. Inserre un l'in part, de 0,005 partie ettavanu è fama contrate (con punto o J o angolite) se conseglia un fie guda adoblece). Ele avençare il trè, quade attra mas al cono e si tro l'ino et sovicinasi alla purco del Piero.

Dapo avec contermato che i Rio gaide e in contatto con la punto del Filtro o in esta pressimita, far o neccon è cono sopra Life quida fero asa punta del Filtro

Avanue i introduture poi fai inchildere poi mâmente d'ocno sub a publis del Filtri. Reseave i fas qui de sitaliene ani caleme epticipare

Contributo a rimacolare il Effro come doscrito ai punto 16.

J. Fortuato di Vendita

regional e dialah mgarli

Oper Eine Recovery à bonne generatio Des Salema Flaz Recovery à deste e nou perforenzable statistate à minite, et é prote per l'applications come produits esclusivamente monoupa. Il estiema di ultratum Recovery Compilition à

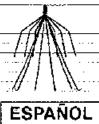
permentale. Se il l'impaise diliporità inconstituente non concern di descrito a dispissatio.

15 di Copo luca, gli accesso el males de por imparato del Filho Rependy potendent contre possibilità di pulso di mila di
accio l'impaggia di deputació di accio della profesiona de contre Rependo e del la la reservació de contre de contre la c

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

BPVE-01-00435570

Sistema de Filtro Recovery® para el uso en la vena cava



Instrucciones de empleo

Er Film Alexandry represente and extern garde social de dispuédons du industry of montais descitades percenitarios entáricos. punarunes. El diseño arriguel y el meteriol del Filtro Recovery procesciman una eficació de libración excelente y permiten la colocición percultires a licente de sua vaces minidudos anglugados conversional de (1). A Frenchical de mismo de discufades en «: Jugar de ritroturoos. La gracedation la gracedation per concisción es tapado y titol de restatir

Chequipo femoral está distinado para eventer a lo largo de su calibre mandicidor de 43 cm, D.C. ? Franch ublicando una quia impelatra de nitria l'emble. Una s'imprado en el patrerno do lo gua está disensala para impulsor di spice del filto y un segmento con reniva esta diseñado para sojetan y orientan de forma aproprada has pasas del litro. Estas componentes lijer el fitto en la guie angedesia a med da que arrante el litto, com la punta fueda desenta, hoste el entirem diale: del caleter, discola con debejo de la verz erad mieno. Cuando in pute de kilo se aprovina a la punto del calele indicaluto, se encontrata artis, us nemarizasi parapolició de di calele cindado A cintificación, a colleta riproducire y all'asterio de liseación de ribran histo el conge de la pula impulsora grala dejar expuesto y liberar e libbo y dajar que recibre su profiguración predeferminada. El sistema pera centrar permit que el Filtro Recovery se los e por la punta del lifto centrada y execupie la spatas se crutien

El Caro Recovery está disendo para activa como en las o permanente. Cuando este cinicamente indicado, el Fitro Recovery <u>portoj palla eme de forma percuránco después de la impligración estain fue instrucciones lastifactas en la seccion Procedimiento</u> de det acción operand. Los gastios electros del Pitro Recesary permiter que el blucas camiença i guito, e er escala el complutación de pron lambión permites que se deforme electromente cuendo en visya a gatas e perculing strate (Vesa) Procedimento de extraodio, sporcial para estrustroras especil cas de autraodio)......

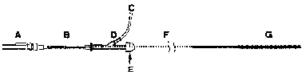
Compatible con IRM. La prétenz de Filme Managery en engra para IRM y existedier e ni so ve alectada por el lancossamente de

8. Descripción del dispositore

Di Sistemb de Filita Receivery consta del filiro y del aldemo de Roemain. Di Filiro Receivery consta de dace gallas de mano com menorio de forma, que sobon de joio fundo de nájindi dentral. Estas dobe plata formen dus niveles de filladam de embolas. Nas pitas proportionas el timel Menor de Priecos y los brezos proporcionen el nivel supono; de Absocon El Tible Recovery esto desenado al esp en la vena espa con districirse de hasia 23 mm.

En la Figure A apprece dustrate el Sedema de liberación del Fisho Regionary. El gisterno de liberación consta de una riama mboductora con un definició esperio de 7 fr. y un dilatedor, el Piño Roccovery, un bato de Almassian sento con de puerto de miusión de solución agina y un disterni impaisor. El ficto Recovery se em esa precargado Centro del Rosa de alcacenamies:

Figure A. Sistema de Filtro Recovery



- A. CATEFER HYRODUCTOR

 8. TUBO DE AL MACE HAMERTO DEL FILTRO

 C. EQUIPO DE HYRODOLINGOLIO DE ROLUCIÓN DALUE

 TO CATEFOL ATERNA

 TO CAPATROCA TOURNBORSY ADUSTABLE

C. Indicaciones assa el tato

FI Saleiris de Filho Recovery está indicada para el caso en la primiención de la entidos pumonas recuriente medante se colocición permanente en la veria cava en las siguerriles militaciones

Tremboardora primerar cum do los antecnigidantes estés contransicados

Franciari di la terrata cracompuente pero la entermegad perrocaribólica la marticulo de segunos tras una crabata primerar man se como la sanaga que fas beneficias de la levana com se

🗝 😑 🕾 Émitota política a crónica reconente cuando la terapro comenticoa guitaxes heya foicasado o esté contact diciale. El Fitto Roenvery portà extrassas conforme a las ristracciones facilitadas en la excesen Procedimente applicationes la

D. Contrainditacienes de uso

ADVERTENCIA: Si el diámeto o corregido de la versa cava inferior na sunayor de 29 mm, no debará introducimo el titto en la veca cava interior.

El Fillio Nacovery no debará implantaran etc

Majeres emparazadas curando lo fuornocopia puesta suponer un peligro para el feto. Debetán valvoros curdidosamente na

-гаснанев скуют фанустор де и чена сала веск извухов се авти

Facianies con nesgo de embidia Jépfica

nalamarida da Filira Residua

£ Arbe

- El Filtro Recovery gaza la vene dava está precugado en el subo de alhacena mente y esta inocado dara un solo usa. No Tibese o Mara antase de su contesta octobación en la vena cova inferior, ya que el Titoro **Resovany** he puede velverse a reson gar con ségunded dentre del bibo de almabétamente.
- Le liberación del Fibro **Accouc**ny a payes de la vama minosuciona sólo podra pesigra se haco; detacle. La sa racción de la guar impulsiva automia in Ebaration podra din produce al Gregovindamento del fitto, consistemento de los colos o impros del ficre y posta Racer que el titro no avance mos dentro de la vauta
- El Sasterro de Pitro Recovery está diseñado sido para vias de gazeso tomorales. Musco se dichero at lasr el Pitro Recovery ni el sistema ne Recopión en vias de acceso superiores (venes nagular indictava o antecerita), y a que este da tagat a lauterianos, increasto nel Elito Brazarry centro de la sene cara interio.
- un Hamby grands en al lagui inical du Ebergaio en Ariones Coma el Nor e novidade delle Eberga Roma el Hore. Рамія do un Інда-растамо-Ве-рофі этиксян ил в стро рацион сон за для у el «Нохифи. »
- 👈 🕒 Para entros el hitro Recovery, studio óraciamente el Seterro dimentaciono Recovery Conet: Marios volo se a concernor
- 8. Huma haya wanzar la gale e ta yana rehefadara faliabayan there e filba sar wasalataan li salamaya a

Extracción del filtro Recovery

- A. . . No atomic extract el lista Become; mando baya cancal for apposantes de trema e strapados de ma del lino o el se pu de 5% está alog fa describ de la teresido la cena cara.
- P.— «Pera virupar and Filtre Recovery (utable unreation) e el Sustano de exhibitado Amoreny Conside Berl (envasado ar - Flores de Mas demokres la re-maria ambién pulturas escritoria-

f. Procautiones:

Implantación del Fiàro Recovery

- En mujetes embarassos y en majores en edectió si el fibro deberá colorarse en la posición supramenal
- Los escretaras avallatradas disceles morrei car la inserción y la ablicación del littro. La efforción dellos da distas lactivados da de empleo baselle districtif el tiempe de indecelor y recesi la probabbació de que aparecian dificultades.
- Determinacións en la courne. Es importade sensi ciárado ciónido se conservor la initianteció en ordientes con deformadiscres atropolóticos imperioriste en la columna ya que la vena cava civera puede augula el craso general de dichas de temadenas avatemicas. Esto polhis hacer mas dificultieso la conacción percuranes del Arie.

Estracción del Filtra Recovery

- Los dela maios anotómicos pueden complicar la Pisarción y la aplicación del Sistema Recovery Come. La acordica distanta a estas instrucciones de ampleo puede distribuir el bengo de insection y reduce la probabil del de que aparezon d'hod-
- Deformationes en la coluenta: Es impetante tener cuidado quando se contenção a enhanción del Téco Responencios el Systems: de extracción Aponeury Come en ponientes con dolumnacionos coloscotáticas emponantes en la columna ya que ta vera esta relevar puede seguir el curso granera de dicesas delormaciones asserbacas. Esto portus hacer necesarse el uso de rámenas aventarias nesa armass el filmo.

Posibles constituciones -- -

Desplazamiento del tito. Se puedo produce por la colocación en la vone cava inferior de distresio esperior a 26 mm o sin se citirzon las lécurcias de armitye egropacios

Octuaion de la veno cara. Debetá argestine la posicidada de que pouva esta y la retrodo besté contiengo inharente para un paciante que tengr embata partenen e que se probable que la tengre son tras como o

N. Egripa recteur.

Se nacesca el siguierde squero para el udo.

-Un Filtro Recovery y al Resume de Maración Alectrony Conseque contenge:

Una vaine idroductore de D.1.7 Fr., 46 cm, y un equipo diletado:

-Un taxo, de almacementiento con el Fitto : Reproenty precur gudo y el assieme de titoriscion impulsor

Guin con gunta en l'ac 0.0%, 3 non, de 118 am de longitud a mas

As artists to another this sugar-

Sebuchi sakna

·Tidad de eulension estédi para guien o infas on de solucido sasna

Findre les materiales basicos pres la venogunción; esnaindo, curriales del fri. (1), anásticas local, pañas, etc.

-Un un de urbachicación que contengo pas guito con punta en 1 de C.C361, 3 mm, aguya entrechedora, escribeto del «1 14 y

eranga de 19 ac, desponada de C. A. Berg nomas de caseago essocia.

S el médica elige la extracción peroutérias del Filha Recovera, el Sistema de extracción Recovera Come esta disposible d

C i Bevo ko:

hasegón sel Caléry in Noducior de 7 fr. y versyttété pistininas

- Selectione una tria de actieno servino ferma el apropie da, bien sen en el la de desecha o impresado, dependen de del lama? r economic del promente, de la profesiona del cricario de la disposició de la trombosa secreta
- Prepare, cultra cun pelvas qui digicio, y anestense el logo de punción en la pel de la Jorna convenció
- SHECOTORY STATE OF MASSE OF METS, ACAS ELEMINASE OF HARACE PROCESS.
- Code Egeramente la pré dos un e cuchiba del nº (1) y restitue una verrepulsatión con de à aguje introductiva del calibre 1

ksets a subject parties. La intere assista personers con Europe son potal auto la realitica.

NOTA: Si se excessiva resistanta duesta una latera encida de la estado besena, retira la quia y comparate la porcesión ldad de la sera maillario Austracopio con una paquaña myerciño de medio de contrada. Si tarj unitratabo granda, telire la aguja de verapunción e interior o con la vera del tado contrato. Se protre atmessa un trombo propueño con la quie y el introd

Estruça la signa de venopuno in estre la girá con pura en a Haiga avanzar el casellet estoducció de 7 French julto con sa dibásico cónico sobre le gora al injerior de la vena carra dutal o la vena Kiada,

NOTA: El caréter introductor tiene marcadores radioparos para inclutar la visualización y la colocad én del fillos artes de la aplicación. Los marcadores radiopases del caldier introductor proporcionan la ultimación "elegida" entre los que se debená catocar el filtro justo acres de retitor la vaina y aplicario.

Extraga to gailly elicital polar departo el esteter principios con al punto en la veco casa detal o en la vena Asica Engue de largra infermiente a mano o comple al careter una infusión de gateo constante de actuarán actina, e én de mantener la permeatière à del catidos estocuetor

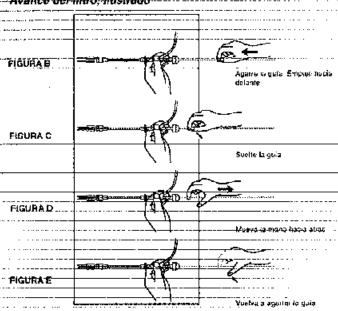
lOTA: El como del camitas letrada esse siene um diseño inserno especial. De besa teneros cuidado para costina b con apparitied, pays also distant this factors expensive parts to compact of extra-.

la colocación del filtro y moto of diámetro de la mera care mismo, corregido pora la ampliación (nom altreste un 20%).

- 6 Haga or about of cost to introduction house of mysticine got non-control horococcionor. Debuten values a unit occión is got y el difeitada per a lacitar esta aperativia. Para la instrución llembral, le povid del cell del indicado di debute esta: 1 cm par debujo de la vece rené inferior.
- 10 Edigya dilitro y el sosterio de liberación del rie B
- 1. Consett una briga (e. 500 et oppositus) de signation of a other brigat opticitative en Vinterente un equat de vitue én de contra que entre fue unide à segundo e fin de mitendade para su para e unem de cartes introducer. Aparte el epipo de introducer para proposition una elemente de cartes introducer. Aparte el epipo de introducer para proposition una elemente de cartes introducer. Aparte el epipo de introducer una elemente por proposition de cartes introducer. Aparte el epipo de introducer una elemente de cartes de cartes de munica el entre de la compaña para proposition de cartes de

HOTAL Es may importante manager la permentalisad del cardos estredante migitadole con sel prior salina pera que el ecogrante permande que mujeto y existra ac forme carrecto las paíos del filtro no de electroya con catogúlica, delle interface. Con la estricación del filtro

Avance del-filtro, ilustrado-



- 43 Maga arrango di fabo monando hacos delenne ja guio ampulsoro de ridado a bueste del calabito idinaciono, avanzando di latro con cardo noviembro hacos delente delle que impulso por Rigoras D.D., No retriejo la guio impulsoro, di samendo logo avanza la giale impulsoro hacia delante. Para sego como deledido de medios, se poste hacer un latro en la gian impulsora ser product no que accessmento en al inscripció de nóme, e la del botidor el medio y produce de la que impulsora con contrata de nome o product no que accessmento en al inscripció de nóme, e la del botidor el menejo y produce de la que impulsora.
- 14 Continue of movemento hadra delegade de la guas engué sura hasta que la punte del titro subsequent materiato la dispace de estremo datal del califier introductivo Degrado este movembre, el mango de la guas inquêsor a debeta estar adjascarda al adaptivada est.

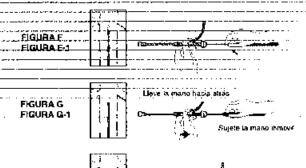
Liberación/Apticación del filtro

FIGURA H

- Apique y lacre el titro como se describe a continuación;
 - Figura F. Sujete fumemente el mango de la guia impulsora
 - Figure F. C. Fills a discusor en el collitar miso de de venos los morsedense malespeces coles de aplesado en la vena com Interne

THO IN. HO WHICH IN THIS SERVICE MAD BOUND HER ALL DES CONTROL OF CHEMICALD CONTROL OF AND OF AND MADE IN MERCADES BY THOSE IN EXPERIENCE OF CHEMICAL PRODUCTION DO NOT BE CHEMICAL TO DO NOT MAD THE THOROUGH OF AND THE CHEMICAL OF A BOUND HER SERVICE OF THE CHEMICAL OF A BOUND HER SERVICE OF THE CHEMICAL OF THE CHEMIC

Liberación del filtro; llustrado



- Calaque la partie del filitro 4 cm par de lapir de la varse most inte

Figura G: Con una mano inmovál, la otra mano tira hacia atras del adagdador en Y y del buto de atraccenamiento por compácio sobre of mango, dejando el filtro al dascrubiento y liberándolo.

Figure 6-1: Sintrapris Is years not blos et al year cours reterins

Figure M: Cotomism de las transa & Imalosa et proceso de 1994 il menta. Figure M: d: El Pipo escripado april: pero escripado es.

- 16 Altera estinga la graz impotenza harta el luta, de arranomatriasto sojeta tra formonente el adaptador en Y, el lubo de atranomatria por el carto en de los marios, el condo haca mato de la graz impotenza.
- क्षणं देशकोत्रः मोराज्यान्त्रः देशकोत्राक्षात्राक्षात्रः वास्त्रः कार्याका व स्वतः विश्वतः व स्वतः विश्वतः व स स्वतः स्वतः सामित्रकान्त्रः देशकोत्राक्षात्रः व स्वतः कार्याका व स्वतः व स्वतः स्वतः स्वतः स्वतः सामित्रकारः व

Venotavograna de soguimiento

- 18 मेंदर्ग संवक्षण क्राध्यालक कृतान के अनुसामक कारणवास अवस्था के व्यक्त विकास स्वाध्यास के अधिक प्रायमिक प्रायम प्रायम प्रायम प्रायम प
- 10 Refre el catere misoractor y estique compressón tolinaria estra el tirgar de la princión de la forma adual tota començão la famoración.

PROCEDMIENTO OPCIONAL PARA LA EXTRACCIÓNIDEL PLIRO;

ADVERSENCIA: Se recomenda encarecidamente realizar la extraoción del Filtro Recovery utilizando únicamente el Recovery Lone.

Extraoción del Filiro Recovery

Equipo nerestrilo

Se necesia e eguerre eguar para el ur c

- Un Galarie de catagoción Recovery Dope que contença:
 - -Und value de apticación de D | 10 fr., 75 de yun equipo distrator
 - Un adaptador en ^{vi} son el **Recons**ry **Como** y un sistema lingula in de liberación
- Gots con purca en 3 de 0,935°, 3 mm de 11 fi an de koggolid cines
- Approximations de carbre 18.
- Diabsty de 12 Fr
- Solución salma.
- Tuta, de edension esterá para gobas de solución palma o jerniga para la jobas ón de solución salucia.
 - Rodoc los materiales bésicos para la variopunición escrépcio, cuchilla del A¹ 11, enestesia lócal, paños, etc.

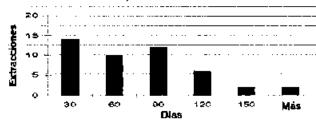
Emperiencia eliziona

Er Føro Riptoverytha audu udi yaqla en Cannoli pou un zolo investigedd y dros colegias en 6 hospullian en et blaat de Toronto con 16 o gallas, centornes o tea triunselinos de hospeo Especial

ংক্ৰাৰ্ড জ ওজাৰেট ১০০ জ লাওকৈ আছে গৈওঁছাচাইতে কৈ কাৰ্ডতাৰ্ডে কোনাছিলটো ই চাইটোড সক্ষাৰ্থ কৰা বিশাস্থ্য কৰিছিল তিন্দ্ৰভাৱ জীলানাকৈ

De los 56 fillos implientados, se han entratio ex istal de 46, 8 permaneren en su lugar y 4 passexes, han inflecto con los filtres conscistos, por causas no inflecto con los execución de los mismos filencema, catabo, por hinerito y aprendesse por money, e strato consentir homorrágico). El tempo hasta la estrato con varió entre 1 y 161 días, con un promoto de 50 días (rease el histograna).

Tiempo hasta la extracción



Express des divents equives qui se actuante fixe des tenue des greches y des arqui des luto; Esse éco de testa de escada de testa de escada de testa de escada de la companya del la companya de la companya de la companya del la companya de la companya de la companya de la companya de la companya del la compan

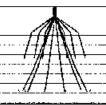
Fitnes Recovery Implements	58
Extraorisces percutárioses de los films	45
Entrandones referènces de les filters	E (Compariente con la resección tumbra)
Estat del paraeria	8 85 shot (media de dé sinte)
Paszán pána la volóc	Achán ag Hillia
Contraind to come lie entote publición	40
Complicaciones associadas a la anscragulación	15
Fracaso de la anticoagutación	\$
Police	?
Tiorapo hasta la extracción	I-161 clas (promado de 60 d as)
S segúnte esta la extracción	1-901 glas (promedo de 2/5)
Compileaciones en la e	atracción del filit e
Terricas	0
Soena del gancho secundaria a tensiones debidas a las	
വന്നു പാരു വിവരു വ	
Embolie publicatar asimbolicaboa eas la extraction	Γ'''

lastrumianes del procedimiento K Caranta Basé gotaráza at prime: congrecta que este producto estara exerto de pelectos en los materiales y de bás cación dinante esporicato de un elecidente la tecna de la princeja compra. La responsabilitada deminde de la gerentia limitada de este producto se Selecciona una via de acceso recipos visultar abbodidas bien sea en el bas derecha o tratfordo depundiente del tamaño o anativos a del patiente, de la prefetencia del conjano o de la adicación de la trombosis venesa. kražarā o la legaración o susituición del producto delectricado, ado a discreción del Gasti, o el recritoles, del producto delectricado, Esta garastia limicata ini cusse el desgrada debrito a uso o los derectos que puderan cuiga debrito al molivas del priviudo Propose implications problem of the energy standards and house the problem on the records to Communication EN LAMEDIDA PENIMYION POR LA LEGISLACIÓN APLICAR. EL ESTA GARANTIA LUMITADA DE PRODUCTO RECIMPLAZA Selections y also of envise del makes Recovery Cone. Also et envine del MI A Caldier Introduction. TODAS LAS DEMAS GANANTIAS EXPRESAS O MACOTAS, PICLUYONOC, AUNQUE NO DE FORMA EXCLUSIVA. Corpolity decreases to periods una cocreta del nº 10 y realize una veriogorada con una agua extrecular a cel calore 48 GUALQUIES GARALTÍA DE COMERCIADA DACIDO PODAS CADI EXIRA BRIA BRIANDES COMORETA. EN INMIÑA CASO BASED Ingeste in quie y hangen a contar superinteste plitinger conce se encuentra el Frato Riccovety à créace , SE RESPONSABILIZARA DE DAÑOS EMERGENTES O DONTRIGENTES RESULTANLES DE JAMABIKA ACICA O LISO DE L Elegratura ka alduno die methodium diet soldrie to duna ESTE PRODUCTO. . 2, . . . (Природне намината ви узил ве до финас на подожно ві досего положе віз визови від 12 Ба. Hypner policio no permion la cuchición de garantino implintas, o as duñas emergentes e-contrajentes had puede tecar deventr - a-acciones adicionates que le compenen pay la legislación de 40 propie pais - · · · · - - Baga සංකාන ක්රයන්වල සහස්කරන වන දිරණ අතවා පැහැක ස්වේෂණ ප්රාද්ය මහත් ව දිදුවේ සිටුම් දිරණ වා එම ව rfiesto de emesón de la eloceta; 1203. notal et exclusivation des transplaces de la company d Er casa de que hejen transputitió. S'este entre reto Tresu y el mymento de usazor el producto, el consono despres a Extenço la gela y al distadar de se da la cariaba billunción con su punha en el lugar apropado, largue de forma intermitente C. A. Bard pala ital al anista información a dicional sobre el producto. a mano o accide al caleter unglishus on de goten porstante de solución salma, a los de mantener la percuedada al del caleter Band, Regovery y Recovery Cone son margus connectes a registradas de C.R. (Sard, No. o dia una fira Patentes Nazieumei canas C.007.558 s 6.558.025. Coas patentes perdentes . 10. Healing an vernou coracia è le in estànda, tromatmente con Amilat, acede de contraste y 15 estas p. Conquede si -Copyright C2000, G. R., Bard, Hip Reservation (some les dérocries, largrées en Éé US) <u>arista elgist terno) es el ficio. Si har una certata important de popitan desto del fino, no escraça á Fino Geconory.</u> Bibliografia: TACH Staidard For The Performance Of Percurageous Permanent Interprovens Care (NO) Filter Alasses of The The Entains el segena insakse y el caro de Kale. Provention Of Publishing Embission 2000 (Rep. 12), Effective 01/21/64 नित्रक के विमेक्ष दरकारों देने देन है वे देव के किए प्रेमिय के देव के किए क leivinzida Bard Peripheral Vescular, Inc. 13 Retrago jertamente el Recovery Cone hado el acaptados en ir para plegar el cono. P.D. Box 1740 1601A; El como dobe estar lotalemente estraido en el adaptados en Y antos de conoctar el sistema al catelec introductor a lin Tempe A7, 85283-1740 de aprejurar que ponde hiperarso el como a través del cateles con facilidad. Conecte usa balsa de 500 m² de solución salor, o usa jentga con solución solmb en o citiro taleral del prospany en Y. Permits que la influsión de sonición salara circule ahadedor cel cono de enhactión en el el adaptador en Y durante á segundos 1-480-894-9515 Apriete is yallıyla del argaptador Toulty Borst a fin de reduci al turnistro el redujó de la skilutión salma harta el atimentador, 1-800-921-4254 are a magade que el aje inquisa a metre librario h 1-460-966-7062 45 Acopte directamente al cacifer structuotor di extremo macho del adaptedor en Y con el cono plegado. El caléfer introductor y 1-830-443-5376 el sistema de liberación del filito debar aujetarse en línea rada para minimizar la infoción. era mantatari can Haga a tonzar di cono movendo hacio destate el eje impulso: a travas del estelar introductor, avanzando el como con carla Kaugmies Sbestseb scaf ameieraum 17 Continúe el movemento hanno desarto de la suía représent balla pou o consustatuadas el matecado naticipada del sediente. - Reprosontante autorizado on la CEE del SEE distability catalog supposed in Carrella value para sino i discolo, establishado si di<u>el presidente Carrella</u>. Bard Limited Capture dol FDto Recovery - - -Grawley, UK 0086 Extracción del fiftro, flustrado RH311982 18 En las Franças B.F. source dust notats continue del Fatro Perconnery Figura B: Después de haberse ablero el como por encima del filmo avance el como sidire la puma del filmo, nuelembo el сабавт егообили на тиска у визавандо е ез тработ. Ве техетенба объект ила гладен билгоскората вибего обходе pera configur que el com esta por enema de la quete del filha. Pigua C; Cierre el cono sobre la panta del fèro avanzando el calder introducto sobre el cono reletiras matriane surrix i el Figura D: Contruir hazanto, avanza al calcier colosució some el contitos, que el como se projecte deptra de calete: rincolation. Haora E: Con el cono plegado pobre el litro, embargo el litro establicando el califlo entroducto y Librayendo el eje implésio Ac un solo modraletta susue e cub Figure F: So to release at the so of address Perioditifica man de seccionie/da 9 Pueda electrorea un venera cograma de segumento has anticas el cabales (Neodució Chémismente 30 m) da mado de contacte a 15 intrictunds. 20 - Retare et cardicel introductor y postges, compression monories et lugar de la numbra, de la forma lessal pero conseguir la herodade. Técnica asistida con guia Rebelo e ina démograpa protenicas con respecto e la pumbió del Filho Recovery, pundos ellitras el ticnicas esisticas con quia. ப்லம் எறும் – Si résulta de de aventes e cont sobre la punta del Fiero Recovery, se puede utilizza una gua para l'acidat el evantes del como scoro la panita de Mile. Native le vans orthodustron y et que del como de la partis de latro, bracete una quit de 0,005° e través de la memberosa (punto en J angelada; se ascernando esta quia con acresimiento hidroface). Hogo evanza: la guia a bavéo del cono y a fransi del fibro Una vez conternació que la gua este en contacto o cerca de la penta de Mito, acamo el como entre la gua fasta la punta del Mito. Buga mangar la vaina introductora productora productora i (generante el com) entre la punta del fidro. Reixe la guar escel eje imprésar Continue ach la potenzión del litro como se describe en el pado 16 J. Forma de suministro Code Filtre Recovery se summistic previousness cargodo en el tabo do atmonstramento. Cada Filtro Rocereny de esterá y no

चेत्र विकेश स्थित प्राचन प्राचित्रक का प्रतिकार का प्रतिकार कि स्थान के प्रतिकार के अधिकार के अधिकार की ए अस्त

program, a menos que es envosa esta atánito o dañato, y esta tato pará un sero uso. El tabo de a niscon ananto y el estiento de fiberciolo está prementados. Si el fibro se titura de forna instinción, no efente escalarizado e recursos productos en estados personas en el fibro a secunda que de estados en entre el fibro en entre el fibro en estados en entre entre el fibro en entre el fibro en entre el fibro en entre el fibro en entre el fibro entre entre el fibro entre entre entre entre el fibro entre el fibro entre entre el fibro el fibro entre el fibro el fibr

Recovery® Filter Systeem voar gebruik in de vena cava



<u>NEDERLANDS</u>

Gebruiksaanwijzing

Opgegaat: De federale weigeving van de Verenigde Staten begandt dat dit product plechte stoot of op voorsafrift van ee

Het Arcovery litet representeert een nieuwe generate van veneuze onderscheppingsbulpmiddelen die bedoeld zijn omkongem bolger je voorkomen. Het unicke opkeen, en sinkomal van het **Roo**pvervlêter bijden een uitdevende libergeodivloet en niaken paratized placticing his earl attractional angular state and responsitional earl shadology of process year Co. 7 mag.(s), mor minerally proclimien ap de hibrangolasis. De plasasingsprocedure la seer en exmandig un re vouver

De ferropalisso in bedoe'd om door een 40 om hage intrengicifieler met een murnidge damiser van Ch. Die worden opgevoerd met behulp van een Nexibek ekkop duerkaad. Een kussantje aas het einde van de disad ja ontworpen om de punt van hel liter voor, le duren en een gegloefd deel is ontworpen om de fiterpooles te vaten en in de judes poehle te houden. Deze enderdefen huuroum ind laten haat op die dezel lemej deze het liken minde punt eens opvoort naar het uiteliede van de sullecou die onder die langend virentals is groppensemend. Ast de te van het laten de ip van de nazionspactieler nuiten, zall het titer verden gepoetsoment lwaser, de nadio speite metheringen op de uitwesglichbere. Die nitrienglichkeie en de inbelegterprodukten worden den renagoarekkoas op nachandrak van die duwraaied era her blee tit de node te ne kin en het de kans te geven zijn woord begroonde vorm aan te cenar.. Hot oerkompotoem maakt het mogdijk het Recovery litter and een gecontreurde ty in plaatson en voorkom. azr de poetjes alkazi Musien

His Recovery file is becover als con permanent file. Als of thisish gehabover is like hid Recovery Not no implantace ock. y gar porgugaer worgen vorwigterd hoggets de Institutige gegorge graer Optiving giverwyddigegoredydde, De glastyscha flaatysc ten hat Recovery had maken dat hat have and as an weerstand block leader not passed on most by perculans varietisting variousness ze an eisetische wige. Die Ophiosee wareidena gepronedure vern energiese verreidene sturee

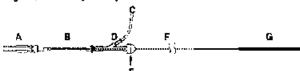
Gentian was MRE Hat Recovery files inglanted in very big generic and URL or stood de working van het UR-apported viet, or contraction for developer to appricable for

B. Beacheigung van het halpunkstof:

ha. Herovery thei system debar at ha rive ring famely system ha recovery rian debitat wast dividen van divide genwyvermetasi die uit een centrale minositute seken. Deze hyself oreden vormen tuez internseaus voor embalietet de pobljes n hic kagale (Zernwezu en de armen vormen ho; huogale (Zernwezu). Het Nedo vong fiber is besoein von gebruik in de vens cava met een mauritale dannelei van 28 mm

Het Recovery Stor correspondence appropries in Figure A. Instrumentary short besteas at not intrinsplat and dislator Co. 7 invensige dameter (E), het Reasonery Ster, een opstagb ag voor het laten rijopen van fysiologische zodopkorsing. en een drasysteem. Het Recovery Rienword verpeld in de voorgelaken inker gropstagtuis geleveld.

Figuur A. Recovery filter systeem



- TOPSTANKA METER OPSTANKA SONO
- ZIJDELMGSE OPENING VERSTELBARE TODAY BOAST ADAPTER

BELANGRUK: Leet de applyszingen zorgy uidig vada uithet Recovery titler gebruin

His Resourcy Wile system is grey broard now great the prevent a variable in the kingenticheen do a militer van permit he de places par in the vega cayo in de volgende situations:

- Tronato-embotie van de longen to, bestaande contra indicates legen embstellingsmiddelen
- Taken your anteredisting between the provide embediates.
- Als perchaharaning na era erata kasasanbaka ata da ta varu aratan youdukan yan dawaranasa basancaina tar maa tan
- Chromactic, technolise longerabeleen etc anticolingabelion seting heeft galactif et geconto-indiceore ex
- Hell Receiving little has branden verwyched volgens de nedhodies die hieronder worden sangegeven in het hoofdstak getield. Optionals Procedure you litterwringforing.

D. Contra Indication

OPGEPAST: Alle de gecontiguerde d'ameter van de vena cave inferior (VCI) meer dan 26 mon le masj het liker plat in de VCI worden frigebracht.

Hat Resover filter may nich werden gebrotzenserd bij:

Gwatsyan e parkenten tay mengen tahang de foteas kan sahatan. Dia hastus an salatah bibatan zwigwaligwi utas aligan agas.

Parantes material dismalar van de vano ceva van meer das 🗷 mm

Fix which the earts losen on een suplache embales.

E. Waarschuwinger

filed has bloomed as se apaligana was hel gopandament a si comme ame, sangezon has filecovery them. vorden herladen in de opsladbub

- Biglick interagrammen but Recovery filter door de interregable may alice nin recoverable withing and design expensively teruphekt as van de du extra di Stena het inbresper kan leden fol van zijn plants is een van het filler, het krysten van poolpt. ol armen van het låter, en kan het ogmogolijk meken het liber texnenni de traup nog særder og he voeres.
- Hat Recovery litter system is unsuffer transport on welder a lemonals terrorden ingetrecht. Briefig het Recovery Mits metrotivengsysteemingod van bovenat in tvia de Wijelgdans, subblikka of angeoutiet), sangemen de zal leider, tot een ongeste chênhatie van het Racovary leter in de vuosza irêeno
- Als et op de aastrankelijks inblengplaakt een grote bombus word, aar geboord, bezit liden met het litte; hêndkombeen dan le bengen. Probeer his Mei vie van et twe troubeit de biengen. Een kleine Fronts is kan wel door de voerdraad en de
- Celario es a termenigar en control Responsy filor al est transporte Const Considera projetenta. Celare
- ीं क्या केर प्रकार केरा हो और किरिया पुराने के किरिया में किए के प्रकार के किरिया के किरिया के किरिया के किरिय

Verwildering van het Recovery filter

- Tracte met het Alexaning Klan te verwydens, als er significante hae methedan bombus in het filter algriggen of als de rap het litter pich an de wand van de vens cava helef vastbezel.
- . Betrum seminangang periodipanan kan balahan melam melam pengangan periodipan pengangangan dan dalah dalah da Berd Heligebruik van encere hutpriktielen beeft in het setleder gele citat recidurerende kongembakeen.

implantatic van het Recovery filter:

- By warderen ar insured in de inventione lacted dark het the la invention general boxen de inexes
- Anacon ische var anten kunnen het in en aanbret gen van het litter beeeringeren. Het zorg vildig vorges van deze v şaan-Çang han de dusa yan het ribyengen vanhoten en de hans op problemer. Navke nien.
- Vergionargon von de ourreksolant Hours bekingspl. voorzettig is zijn de ui miglantake ourweegt is, patérien met een nig-Liikeants kyloocekstudie versonmag van de viervetsolom eentst de vuonnamterior de net ting van een dergelijke mateumatie. vaak volgt. Hierdoor kan geroatsne vervijdentig van het fôter lastiger worden.

Vermidering yes het Recovery fater

- Anatomistric rational kursion has interrupted on the gability for his Recovery Gains very (deorgasysteem complication asso zorgrufdig volgen van deze gebrukspanskenig kan de duur van het mêrengen verkomen an de kons op problemen
- Vergioeksiges van de mercek oldes hiet is bekangrek voorzichtig te zyn als is verwêdening van het Mepowery ther met het. Recovery Cozenner wyconnyss, woem overweegt by politimon met een eigenboonte ky opponiensche vervollining van de nervalvalom amatel dans, cava inferior de lichting van een dangelijke melformatie vastkisvilgt. Et klamets gesklandelade technieken noorg zijn om het liber te vervijderen.

höyrele ran kelinur. Oc van wuxuu venor raab okov plaasing in een va woos vara dava me een damasa van mee tea 28 FYT. of the disjurger was all entropies on were much also get out.

Reflexible van de averd van de veno cava. Dit kan vaalkomen als de prisse intransjectskiet met oordingsvolgd

Ondrese van de vereinige. De bestickt op optreed, dead te worden afgewagen legen de statemise sato van de statel de voordeten by een patiënt met ongemboke, of een patiënt die duzz zonder interventie grote kazis op heef

K. Beandade apparatuur .

De volger de apouration word, behodigh:

Les Recoverrétes pet atmosphiscop det aquel ...

- Dec 48 cm leithe. Ch. 7 (D) nor mobile; met diabeter set
- ंदेश कार्यवर्किक क्रांड एवंदर्व क्रांबर्वक विकासम् विकास स्वाचित्रकृतिक क्रांचित्रक
- -0,86 mm (0,033 leaf.) Voctorsed mel 3 mm J-rg, resigns minima al 170 cm

-Intervenation 18

Size de aanstrijding voor lyndingsoft zod of onder uitvas

·Bassmaleneal voor het aarpektun van de vane, porpal met met ge nij 1, leksal angethekeum, gider resigenat, etc

-Em loggangsset bestaande alt een 0,56 mm (0.000 nicht voerdrand met 3 mie 14-p -amprikaanht jezilpet in, 11, en 18-militaril is to we kingen bij C. R. Bard, ralplogrammenter 4400F.

Als de arts proce blest om het Recovery lizer percetaan te conveptionen kan het Recovery Coopersonsystemingsbysteem wordes aangeschaft by C.S. Bard, not

r detrolipantalisho

Inbrenger, van de inbrengkatheter Cn. 7 ID en voorboueldenge venografie

- Kies een geschibte femorale tregangsplaats, aan de kirker of de nochter kand, afbanberijk van de grootte en de gnatume van de patièni, de voorkeur van de operateur ei de plants van de vebeuze trombane.
- Desirfecces, del al en verdool de buid hij de inbrengplaats op de gebruikelijke wijke
- Neom-heil itterzok en open dir. Mazk set Alopen de verzelfound van de retzendketheter
- Bueng een sweezjelin die huid aan zwe bez mesje na 11 en polit de verse dan met een intronggaass nu TR
- eveng de Jivoerstaan in en voer deze voorzettig op tot in de datale vans dava of de vens back

OPLISIKSKO: Ale bij hat Inbrangon via de u kombralla instruturd wordt gavoeld, moot u de voardraad brugtrakten an door middiel oon likeine lejestie van contrastyloeistal onder doorlichting controleren dat de vone doorganisabji is. Als er een grote kombus wordt aangeloonst de aangekraadd verwijderen en de ywo oan de anden kant groteren. Een bleine sizas kan wel door de voerdraad en de inbrenghals worden omzeld.

Verwijder de pargrektischt over de Jivoordood. Voor de Ch. Zielabster met bagge debteket over de verstraat en in de debate vera cave of in ear, i inco

OPACHIANG: De Interruptableter hedit natio-opale wat beingen dat te bei pen bij de visualisatie en het praffoner en van the filler wood het plastisen. De extile-opuise markeringen op informgischeber gevon de indext sextile aan waartasson het.
fillor moet worden gepostborwerd net woor het tangbreiten wan de huis en hot plastigen.

Verwider de voerdraaf en de diktoror, maats, de kênengfahister met de hom de distave vera cana el vera foca blyt. legger. Speel ook schooler met gelegstete handerprozen handtratig door of stat een oftens met fysiologisch zout aan om de

OPERFICING: De aanskultsonnestor van de intrengise heeft een appelies intrendig detretep. U moet oppassen det we bindingen afewig worden gemankt, mass zooder overmatige bracht, waardoor brook in het aansluktsisk kee optstaan,

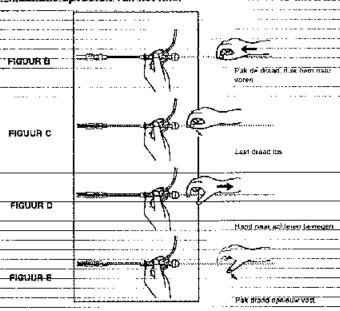
- Menore con standard in come inferior recognistic flore con is an injunctive greater. All cal contracting del contracts, fis called Land op trombin, de v. cave, de posine van de avervenen en congentatio sevijssigen. Kies hot oprimite neveau voor plaatsing van
- ंदिताओं के बार्क सामुख्यानिक कहां वा उसा तहां कुरोक कर सरकार का के

Case 2:15-md-02641-DGC Document 8375-1 Filed 10/23/17—Page 142 of 161

- 10 Norm tet Ren met aktongsysteem uit set B
- 11. Slote on 550 ml 224 hydrologisch abd aan op de bykent ran het Yiedegte diver midde van een atvockseld hillousset. Laat de frantogisch abul opkesting gesterende 5 seconden inne het liker is en opdagteus stiemen en de zusten in metwa voor niet passaren van de hilbernejkanteer. Slot de villussed in de een stelle on tagnesteld en. Diest de Youty-Boss aampleniep aan om zo wening mogely raften van lysobogisch able te geven zondelt dat diaaroof de diabhaan modeljier han winden.

OPMERIONO: Het is heel belangrijk om de doorgeriscijkheid van de Intrengkalheter in stand te houden door apselen met franslockach mas kolad het gegroefde segment fall de Aberpooleg ynd en en postkie houdt niet slant stolset wordt besiskt De naarhet spokeeligen van het filter foelemmeten.

Illustratie opvoeren van het filter



- 38 Year hat hear so doer die nimer durch and noor neem te derven door de indoengelanteise, waarby u hat like toet teden noor heurste benegen gevolen geschaft fig. D.C., hiet die durch and neel broug, benegen de durch and priese in weste wat de indicate was de gewele wat die durch and in een die andere gelegel, was de Describen was de gewele wat die builden, oor die diesel jaar die gewele wat die somet bestelen en opponieren.
- Ga dyrr mei de noorwantse beweging van de dordtroch tot de Sterpunt bij de nadio cycle marketing aan het distate einde van de elberghaltere kijl. Op dit gord moei het hendret van de daarde ad naard het Veanskaltski Egyan.

Yığıyanın karilminiye il vali het ilder

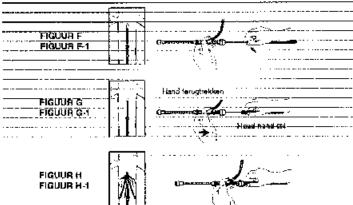
15 Biologiket liber aas en geel het vij als hieronde beschrevere

. Figure $f_{\rm c}^{\rm c}$ Handyick van die kotaald stewig vashouden.

Figure F 1) Filter voor glaaking gepoalt oneerd in obrengkatheter haseen de radio opside revolvemingen voor het een beroom in de vena cons alleno.

OPHERIONE: Filter nisi nankverupen door het voorbij het uiteinde van de inbroegketheter te duwen. Verwijder in plants daarvan de huis van het stilliggende litter door de leterengheitsvier heruig in trekken rooks heeronder beschonen.

Filter Release, Illustrated



Mank mus hat Ather wife shoot het alle wedge in die verse sawa Inflation att die holle be hallen:

Positionner de part van het filter 1 em ander de langste nieuwer

FIGURH G. Tespis de ene hand op zijn plaats bijth, trekt de andere hand de combinetie van het Ysadeptes en de opstagburs volkodig were het fannhet hang, waarbij het Bilon blook komf de liggen en vrij komt.

Figury Grifflet de notationen van het inter brûte voor

Eiguus I ^ Poetie das de flasden na visitosas prantite hubsveskijosong

Figure 4-1. Filter eo zin plaes n YGi

- 16 Tick is, on dus ascaltragin de opdags, is door de combrade van hat Pract, de opdagbût in de vielvergichtelet streig op zijn plaats is konnen en aan de duschand is houlen.
- 17 Helvet het appoint mei Nachbasen soor (2 het mittels ein de intrengkadiele ooorgenkilde te houden.

Conjugayerogram van do vi cavo

- Escription Language and parties of the interpretation was demonstrated and as a decrease worder general fire lighted to gradies. So the contrast method by 15 million.
- S Verwijder de unbrenglichheter en belein de geforulus per duit ur op de veropundisplaate om horrschaft is bewerfichtigen

CHIRCHELE PROCEDURE VOOR BYTERVERWATERING:

Year (depling visc not Recovery Mear

OPGEPAST: Er wordt ten sterkste aanbevolen dat het Recovery tijter alleen word verwijderd met de Recovery Conc.

Bergoligdo apparatua

De regional appropriation west benedigt.

- a Den Hoomeny Cone varnijden gesysteere eer teerst.
- ——•Fee-75 on lengs ;€h -10-19 staroogh do met distate se
 - THER YORKS INC. RESIDENCE CORE OF SPORT HOUSING SERVICE
 - E en 0,89 evn (0,035 man) voertraed met 3 mm 3 ap. 110 em di page:
 - Aanprinteed to 19
- __(t,3;:4|##u..................
- Fysichgische zoutspkaping
- Stenet conductors, voca crisus met hydrologisch zoch di oput met hydrologische zochsphassing
- Alle bossenstellaren voor verugustet schippe met mesje on hit lekken ansett enoum, aldermater op hets

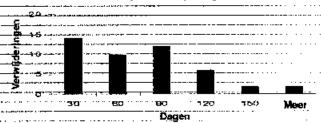
Klimiche ervering

Het Recovery Steals in Gezegh, geleute deur von ein erkale ondervoerer met hier codega's in zes zelvenheizelist Totalikabij 56. papierjes, ander specjale regeleering (Special Actess regulatura)

Housel her nutyrichsellege tijs maar ook een ans werd gebruikt, is de verwydening uitgevoerd door dine intskri met verechtliende verantstende gebruikt.

Van de 55 gebryfunderde filera bji, er je total 46 meer verwigterd, 8 tiljven op hun plaats zitten, en 4 patienten zijn met de fileste nog en atte destelder einn der toden ongereitskerd aan het plaatsem et verwigtenen van de bitere Fedheese, ker ber, polyasiente en zappregister van de kong en hemonogische bevoertej. De tyd of virkspering bedroek ist de in Fedheese ker ber, poundield 60 dagen (ziel histogram).

...Tijd tot verwijdering



He de verwydding dwinte de fallog wy gonoddd 200 dagan (princing: 1 en RM digyra). De meeste (n.-4.0), wyddin y'n de reiddin yn pyglyddin i ffann yng ychol yn gannaf yn yn de hyfer hen ugyfans niagra (n.-1) of een cefddindd ynch ynwyddid (n.-1). Ein wed yr chwrgaid, me'n gann gann he llae dyddin oe geneddin o gann he gann he llae dyddin o en geneddin o gann he gann he llae dyddin o en geneddin yn y gann he llae dyddin o gann diadaethi ping ereddin a dia gannaf yn diagaethi yn 4 ne, ys ethig er gyddin blae eed gelodd, y geneddin eed gannaf y gann gann y gann he gann y ga

Du eitige en zere gerappyrher de bjwerktig was een gebroken let grammet haat. De bleer was inharenaal geptades by een zwangere weuw in het de de brander op het riveau in 148. De haduur was naar men zersom het geverg van baddeen lydees de bevalling en de inharenade plaubeig, maardoor versige defectie optraaf en de houb zich in het bokweelsel van een wervel sperappyr het fan sperit muster het het de president.

Šancsiętisland kinischo gegovans	
Parcutaine verwijderingen van de foler	46
Obinogische veneijderinges van de Mer	. 1 (gelithidig cacl tumor sessoriu)
etilg peläni	- 6-66 jaar (gemiddeld 52 yaar)
Risdani Voti	faltar pleasts ing
Containdeato your enfooaguists	4C
Complication lengeralge usin antiquagulate	12
बोका प्रका वार्षण्यपुर्वासंस	3
Pictriale	2
Figlissiner to: verwijdening	3:161 dagen (geraldsed 60 dagen)
olow spona verysidenny	t-901 dagen (geruddeld 325 dagen)
Complication vs	in littervervir dering
ikinse:	0
Habback tengsyögs van aparangen door	
barensweeen en geboorte absmode intravenalo plaziarig	f 1
Asyro; toragische langembake na varolidering	1

Aururijaingen voor de Ingelep

inbrengen von do inbreduntiet at heter-

- Selective een geschijke toegangsroute int de ver a juguanis nan de inner- ei rechterham, afnankelijk van de grootle of gescontrevaande pasjen, de rooskeen van de operateur of de poalse van nordaue.
- 2. Pispareo, bedak en vardod do varapandiephaza op surduard signs.
- 3 Selection on open de Recovery Connelativitative parting. Open de introductie kalhetier, equiliting kill A.
- Librations on the students are all analyses are worth description for our 18.0 responsible.

- Bieng to vocide of an establish in vocability of near on Recovery filter was to very doing
- Veranpler de venagundbenankt via de spendrazio
- Diazeo hel (eggingsvar vocat male es dibitat) Ch. 12.
- Schaff de Do 10 intremplatheter earnemmet zijn tape toeropende diletator over de voerdinaat in de vene

·LET-60°; De introductionationer hoed, mentadiopoele meektekon aan het distale mikiede van de katintechnik verginztic.

- Verangler die werdraad en dichteter, en Suit de fig wat de nitroductiekabierer op de guese plaats achter. Spod mat bisson-विकेशन विकारणात्र को देवर करने केन्द्रिक चर्च विकार करने पुत्रकार प्रकार है जा प्रकार के किए कर विकार के किए क open Mil....
- Vennorit con disortion descriptor, can de v. cara micho: (3) mi correcementel mel con crothe diven 15 mileat). Contratos ul Borrios activitig is inde file. Venilida de Recovery fila het rislan een best dat de heev reined komisis active by is

Inbreagen en plaataen van de Recevery Cone 🔝

- Spool face commande statem was the layer produporate learning on pure change for the god med the flydding learning state operating. тажкал екп дагараткая та був обществ спаврока ту
- Trak de kojje kragranir leuvij in di. Yo dajdir zodit do kegić opgeveral en iverid.

PAS OF: De taggi most heleman in de Yacapter feruggetrokken sijn voordat het aysteem aan de introductiekscheler vartenden wordt, zodal de lagel gemakkel jk geplaatst kan worden vije de katheter.

- 14 Skill van 50km) zak zi van sp. 5 mai ljandagastie zon aprasang nan ep de zy-opening van bet Y-club. Last de tys singsste zoekomissing gestaande it skonnner joes de verameen gewege 'enome'r. Drazi de Jarry, Boar wolk trefike waar om zo...... weinig stagelijk retur. van fysiologisch zou heigenen zonder dat daardom de diskoread moebijker kan worden opgeweiste.
- 15 Verbruidhet mein diệte witeinde van de Yestapie nich de aaneingevouwen kegel direct met de nitringkinkeler. De nbru gladieler en ter liter eantrengsysteem meeen op een rechte kyn lyggen om zo wei ky mogelijk wêring te generalen.
- Your die keigel op door die danschlacht naar voren te bowaging door de motengkatheter, waarbij uite kegel mit redere voormaatse beneging van de daaschoest verder eenstaft.
- 17. Se decrimat de voorwaarse bovinging vas dii duweraan tel de registioj de radio-spake man tring ane file dezele enservan de nitromys alluden legi. Haaf de hegel en derhalle om histi se openen door de schadh, saar he houdes, en de haddele tekung te MERNEN

INTO MATE WARRYING TION OF REDGEDOLDS TO LASE VERLANGE DEZE DE PORCIE PROCNICISA PARTE ALLE ANDERE GARANTIES, EXPLICIET OF MAP. COET, WAARDADER, WAAR MET BEPERKT TOT, JEDERE GARASTIE WAS YERKO DPBARMED OF GESCHYCHEO YOUR DVG CEPAALD COEL BARD ZALIN GEEN GEVAL YERANTYOORGES UK ZON NAAR UITGE VOOR ENGE MODENTELE OF GEVONGECHADE DIE HET GEVOLG IS VAN OM GEBRUIK VAN OF DMS AND METION PRODUCT.

Deposide stater landen si san greg utbishing van reptietele gerante en van populatie et gevolgsmades hie. Uit beek wellich coder de liverer, de in un albatilant geloen hal recht andere jandsche stappen te ondernamen

 \mathbf{b}_{AB} , \mathbf{R}_{AB} , where \mathbf{r}_{AB} , \mathbf{r}_{AB} U.S., authorisis 6 007 peo en 6,222 02c. As rene administration resignations

Capangil **62**760 C. R. Sand the Ale notices werehousen. Gestuit in de V.S.

—— ACH, Sandard No. His Performance of Personances Personal ofers: York Gara (PC) Prior Placement by The Provided Of Administrative Process - 2007 (Res. 2), Please 64-04-01-

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Yangen van het Recovery filter

Illustratie verwijdering filter



Erkende verlegenwoordiger EEA

Bard Limited Crawley 18

HH11 93P



18 Retivunges van het Recommy hite wordt gewond in de figuren B.F.:

. Figure B: USSS 66 kegel beren bei filmer gespera, som har de kegel men de pun van het files dan de sobrergisdis is: sti le bauden en de ausschamt op te voeren. Ambevalen wordt een daarlentingsopreme schum van voere le meten om te sovergen dat de laget over de fillere et lêgt, ...

Figure Co Stali de largel over de liberpuit dont de intreographeix over de kapel op te voeres terrijks de duisant schi op sezelide minats troud.

Figure D: Bly de his grap athelen asia) tis kegal schaker, hat he kegal taich in die behoon glychieke bestret.

Figure E: No de keget over het hiter is det kgevoorven, vanwydert is het hiter deze de intversjochste e van te houden en de twischaut in een brige contract terreging levy te bekken.

Figure F: Het Mier et in de kalheter langgebekken.

Controlleremogram van de v. carra-

- Een controleringsgrons project in several kan in order gomeste he hat terruptrollers wan de introsphatiser (in typische govidier X rv contractoid te bi Tà miseci.
- 20 Vernijder de intrengischeru en eder de getrakvlijke dech uit op de verapunstiepaans om hemastase en bewensteligen.

fechnisk rest behalp van een voordrood.

Dans anatomische veriches in de gestigswigt van het Germany Rien kunsen techn

alis del escla is one de bagge over de l'eure vero ten Mecaniny tarente accevent, historier trovateant worden getrote om bevogsabele en van de Regel over de Interplat de Volgersankerstet 💛

Trek de Microsoftula es. de Negel meg var. de Respubl. Bleng ees Oliks ann KONDS mell voerdraad in door het centrale voeun (mel uith of ganeeria to: eas min hydrolid neithfeis goccom vocassou word sombordinn. Softial oc vocrosuso op diwr de kegel en cox led fit in notif de l'illertip.

Als beweitigdie, dat de voordroot legen de hijspurk oordet of doervlaktig is liegel one: de voordroed opvoeren kateon de fillegont.

Noor de introducie es em de konei iets ouer de Mercant sames le verveen. Leer de voertpert trong er de schaqubaner de conduit ...

Ge via der met het verwoester van het Nov 1000 aangegeven vil eko 15.

J. CANADOM

Loser Recovery New world in one exclapsus worrpooden galanted Loder Receivery floor is mond on pyrogeovery tensy de respubling is groupered of beachadiget earns geteect now denotably getruik. De opplagetals en het intrengsysteers zijn vooral aller clear gave. Als het filler enbodueld vilplant, probase dan alst hat apaseum te sterlisseran of appiaum te laden

Opmerving: Na golenak, kurnian de izoessees en kenanghulpmeddesen van het Allecovery Max een potentiaal besmellingsgevaar vermen. Behandel ze en werp ze wog op medisch geaccepterade wijze en volgtes do geldende platakelijka op landelijke wellen oa nicels.

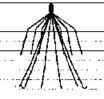
Het Recovery litter den kost (b) konsultanper stour) en vy een diege plaats te worden bewaard

K. Garantie

Bar digerande en eas de eanste koper van de produce doken pootset van e van boden en materiael en vervoerlang geezzende een persone wan eén jaar na de eerste aarvloop, en de mogelpunied tot heusel omster deze begende productigurande bûgt begen dit uit neparatiek of vorverging van het beleete product of weste benad de besondeleng van de vir Vascadie, of hengebekung van de vir Noog som. Selege van at produce als gevolg van navread, di odleden als gevolg van herhend gebruel vallen nut deser dem bepallite

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Cultido; A hi Federal (C.U.A.) limba a venda deste dispositivo a um militro ou por outem de sun resilica.

O filtro filectoriony representa mino notro generáto de dispositivos de intercopção terrosa transcitivos para prenesi, emissilas, publicata de concepcião e mederán únicos do filtro filectiveny proporcionem uma excelente eficação de filtragem e perindem e colucição perotêsso etymis ou um shoubs integulixe engagifica com D1 de 7 french com um hibrario de dilaudados na Peral de entraca C procedimento de colocação e ideido e samplas dinefectual.

O conjunto remotal loi contebido piera anança: altaves do seu caletet obodicor de 48 cm, com D.I. do 7 French etitoro do uma qua impulsata Nevezi de narrei. No trar de qui il esiale uma atmobile concetide para empulsar o ápice do tibro o conceibeu se un segmento estriado para segurar e igienta: adequadamente as permas do libro. Estes composentes fuezo o filho é quia impula, ra é medida que este ábiro empusa o litro, pom a ponte pieneiro, em duarção a esternidade distal do palater, pueblimado ativore de vira cienal pigos religios. Operado o puerto de tito de apporarse da popula do catalón estregulos a massare hom a popular de de entre es macedores rede especie, no cidal en retrotator. El calacer introdutor en cidajante de la el lação sem estas que astes por cima do punho da guia impulsora de modo a desentecima e Ebertar o libro e permitri que o mesmo note a relocaza a sua tuma pré definida. O astema para centrar permute que o Filtro Recovery seja colocado com a porte do filtro centrada e exila que as COUNTY SOCIAL BANK

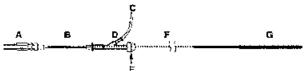
O filtra Recovery La competida para funcción como um filtra permitmente. O Janda dissistmente entrata, e filtra Recovery pod asi i smornávjim vo peroděnea apos implantació do acode comos, estrojes funeralas en Procedinealo de Rensção . Opcosal de gerchio elásticos do litro Recovery perodem que político perido esa ligido e resola a regisção, cua que defen elasticamente quando o litro é ne contró pou de percularea (per Procedimente de Remoção Diporo el para consetar as 👑 instrucies específicas de remoció)...

Competinal texts Well. O major its do like American e degine and Ald 6 pin estables are a d'allada petr broadent a de des copathic de ifet ...

O sessions de Nero Maco vary consiste num Tenci é num gallethe de Bortastia "O Texa Regionegy soficial, era duja si antes de vibral. commemoral an termos de larme que emonor de una mengri centra de númei. Estas dece o curse formam dos e vea de Marajão ос етрика из регна в роското и о вней ви екон де Миоров е се Тигора, роское гран о и и о зидовог де Монеро. О Пако Recovery description and a sericity ratio emissions can a comparation and borning

O suderno de Ebertação do Altro Respoyary está destrecto na Figura A. O sistema de Ebertação, consiste noma bentra espectutura gom D I. de 7 Franch e distudor, na litro Rocasory, aum bris de armozenemento com ambio para perfusivo activa e um estiem Impulare. O filos Rocavery é establisto que inutalisto no tabo de armoz a constito de fiberiação.

Figure A. Statema do filtro Recovery



- CATETER MITRODUTOR
 TUBO DE ARMAZENAMENTO DO FILTRO
 CONSUMO DI PERSUSSO SOTA 4-5074 DI SOLUCIO SI

- OR FIGHT LATERAL.

 ADAPTADOS YOUNY BORST AJUSTAVEL.
- f. 60 A MR o. 30 NA 115 MT IAOc. G.,, Passino DA Galla Migril SORA...

PAPORTARIO Lea as instruções cultiadosamente artes de utilizar o titro Recovery

C. Indicações de atribação

U sistema dombio Receivary está indicado país ultraspal na protenção do emboso primerárias nocimentes diminas do coloca COMMUNICATION ASSOCIATION SECRETARIS SALESCOPES

- Тиот възетвой это райтичног одинаво о изо не апаследочител è contra i пакана
- histoceso en tempérario arricos que tras dogres tramboembéica
- Tratamento de emorgimos após embol a pulmonar maseva quando os benel dos eres eleccion a lo apódica.
- ·Ereballa pulmona cultrica nacovieniu quienti e lungitulosi entrangulario rifolica bernibuladosi no è contraticidade O libro Receiva y pode ser remevido de acoido com ao mismighas fornecidas no Seculio: Pracedimento Operanal para o

D. Contra-Indiagoñes de utilización

CUIDADO: Se o dismetro carrigido de veia cava interior (VCI) exceder 26 mm, o filoro não deve ser imarido na mesma

O titro Recovery não deve ser implemento sen:

-Doernes grávitas nas quas a ratioscopia pode consider em perigo para o fete. Os recos e trenshcios deven ses cueb dosarrecte

Doernes com risco de embate ségrica

E. Advertingles

impleriació de litro Re

- O filtro Reporting New a recordance pre-instalate to tubo de attrazemento e destinar se apenas a utilização unita. Não edicque o libro antes de o passional conociamente na vesa dera (VGI), je que o intro Recovery não pode sei novemente nstalves com segurarça y a taba de armanena marte.
- A Shortação do Milio Respiran, eito rás pa banha perodutiva é texa apertas do seriado arterogrado. A recascido do qua emparama sucreta a transferi pode provocar o desfecamento de histo, o cruzamento das persos ou casacidades do histo e pode extal que a libre avance o suboeste no misos de bairha
- O selema do filha Recovery lei conseleda apenas para abordagens femerais. Hanco unitze e litro Recovery e ci satema de Nastacija jest abordajema segerorea isem sigrilat mobasida ar antecultoka je que resoltas ema mentaĝia notecala s
- этамира и тор о дър и тор опирод ефпол тучно останова бывани в достанова дъргания и при на бали на придължени
- United appears to Salarma de Righteda of Recovery Come" para removes to table Recovery, Names is also a covere sign filtro
- tilenca avanção gará pula barrira introduçació abados nem poloque o fitra sem os estações os diapospicas

ociio do litro Pacovery

- . Aldo fecile también é fono Recolueny se nouverem conditados papiticados de Pombias religias no Não ou se a papiti do Perc estarei enterrada na azrade da veix cara. 🗀
 - White appears of Reterrs de Herrogéo Recovery Gone (embels do separatamente) do Rind para extrar o Nan Recovery. A dibitação de action disposavos residou em enholas politimante recontrates.

*. Procalities."

Implestação do Ritro Recover

- O filtro deva ser colocação na postção aupra senal em molheres grandas e em quiheres com stada para promisi.
- As susuarias a returnous podem complicar a reserção e a colocação do filho. O comprenento represe due histrações qui Unicação pode deninue o tempo de moustão e reduzi a probabilidade du ucomência de dificuldados.
- Deformações da colorar El empotació tallum culabdo especial quando su planes a inspiranção em direntes com diflormações extrepoláticos significacivas de columb, umo veo que a vivo cavo númoi pode segun o trojecto gene dicolas deformações. anezonicas. Esta atuação pode dificultar a remoção perdudinea do hitro.

Remoção do titas Receyery

- As variações molémicas podem complicar a maiordo e a odicação do sistema de rehinção **Ricovery Com**a. Ó compresenti novoso des hubuções de Unicado pede diminar o tempo du eserção a returar a proteciónade de contigua de tinculardes
- Deforcações da ostura. E importante ter om axistado especial axando se pisa sis a remação do litro Recovery com o Sistems, de Remacho Aceavery Dage em cuerdes com deltemacies ofoscolidicas som ficativas de colona, ema ver use a unia cana infenor porte segue o trajecto gover destas deformações ceasiómicas. Esta secação podo ceigir a ethização do

Migreção do litro. Frada de causado pero extracção en distribues de veias cara antaedamentramadas que excedem os PE mpi ou no caso de não se ujiravem jeoriças de juação apropriadas.

Peduração do pajede da verá dava. Pode conherino dado de não se utilizar uma técnica conecta de asseção

Octusão carral. Deve potráticar est a establidação de octutiana, de octusão em estada a respectamente de ripcolhecutivas aum docide com una estación palmonar do que e provinci que venha a tazes una embolia sem e interesipla. - -

E necessir o utilità i o seguinte seguinamente:

- Un Noo Rocavagnes automa de Korseglo qui contene
- -Um conjunto de paren y gracultora de 46 cm com um D L de 7 French e um dista Sy.
- -Um talos de empagamento com um litro Aborrary e disteria impulsos de Boerlação pri-matelados
- -Выз de C.CS раберабез сот или ронь, вог3 de 3 пто в ил сопртовемо de 110 ст со зараче:
- -Agulta de punção iricial de cal b e 16
- -Solutáo satha
- -Tubo de extensão estánt para o gran a gran ou pera pertusão de exisção salina
- -Toraxe os reacenais básicos paus verapiorição, besuri, lánor a N.F. M. anestesia focal, campos triurgicas, etc.
- -O kii de ponção moral que consisse de uma gura de 0,036 polegados com uma porta em a de 3 mm uma aguita de punção escul, uma têmica Nº 11 e umo seongo de 10 co esta disponávé na C.R. Band, humero de catalogo 4500E.

Se o médico escolher remover o fêtro Roopvery por via parculánea, o potema de remocão Recovery Godo está disponival na

1. Instruções de utilização

lmação eusario impoten de? Frenche recogalis politicas

- Selection quite ser adoptarly para e acouse, senous femoral, do acte quele, ou da lady exquesto, confuente e terrento qui a natorna discloente, a poeteráncia do operador ou a facelização da brombose seasesa.
- Present coloque os cercase triutacos e anostese o futel de porcido en pela de farme non-
- Serverance is boxed a contribute from the action of contribution of the Action of the
- Filiga umá masas na pele com a timana Nº 11 e electue a venapunção com uma aguito do punção mical de caltire 16
- tranduza a guia cum penta em Jia arriguma a quidados amente pora, o inquira do visia caya distal ou du veie filada.

NOTA: Se suntir recistócria duanto o procedimento do Inacqão toporal, relim e quia e cutiliquo e princia da vala radio acopicamento com una projunca injecção do majo do costanaja. No caso da un teórificas a provinça do um hombo granda, ra a agrefia da vemopuniĝio a tenta staveta do lado oposto. Pode contemar-se um trombo pequeno com uma guita cu

Recire a aguillor de venoporção aobre a guia com porto em J. Enquire o cadales inhactatos de 7 February podamente com a deu distados afunciado acóre a gua e para o atienio da vela carra distal ou da vela fraca

NDTA: O datator introdutor pessará marcadores radio-spanda para extiliár a visandização e poeixionamente do filho prócolonação. Os marsadoros tadio opassos no saleter introdutor propuncionant uma localização "alvo" entre a qual o Ritro mbainhar e de colocar. dove ser posicionado imedialamente antes do se de

Remova e gua e o diktador, das ando o cotates introdutor com a suo preta no umo cova distritou no vivo é ace. Para una, impretas manual e de forma interméente ou àque po cateira uma perfusão gata a pera combrum de colução selvas, para

MOTA: O conector do calater introducer tans uma concepção interna expecial. Deve assegurar se que se boam li pações

Resideo um veoces votrame interes padrão promestmento 30 m2 da meio de contrasse a 15 m3h Marifeure se exectem e na vela sera, quel a puação dos raiso remis e se existem asso edicação do libro e meça o diámeiro de VCI, computor em termos de ampliação (normalmo ne 25 par cemo

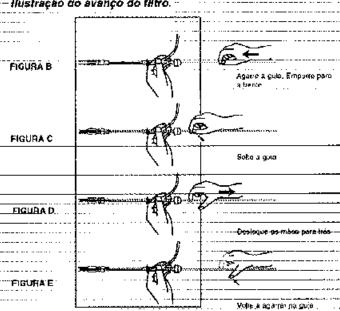
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- Assance o cateter rehodulos ede ao amel polaccionado sab carendo fluorescópico. A quia e o dibilación de renues ser refraccións para heáltaz este processo. Para a inserção femoral, a poeta do cardos introducer de lo ficor 1 cm obstro do reto tena mais
- Refer e Não e o sistemo do abertação do KR S.
- Linux um page de 500 en de getupão sedes no gelipse hatem do adaptados em Y un totado um executo de perfusê∧ gobi o gos, padrogrado. Deme a partuação de polução grâna flui em redor do hitro no tuba de em azon amento quia tid é sogar dos du chodo a amidedi fo para a passagem straneo de estrer intodulor. Apiste o conjunto de pertusão do modo о реарию жаг <u>ть бых уаруа de д Мүр хүнүгү. Ар-ды и хүй ойд үх хүйдийн Төйтү-Бүги руултайтын к гибико й- асулдараан та, гаас</u> , диврецей бизат, в итфеба физ в дий итфиласта виспосий метелоги.

NOTA: É quito importante mantor a patimoia do catotos introdutor com a infigação do estação calina de modo a que acquiente actiliado que coguna e enforte comentamente ao propias do filtra não Eque sem acáquidos Esta situação intertarido com a colocação de Mila.

from a rependide twe de fine de argazenamente de fine portalise mandau que en encoura disportiscar da vez memory do nove a sociação estada fina para o anterior da WCI diagone segundos. O controvimiendo do o observa co thermosis coffers devenises marciais em India resta para marmiza; o atrio

Hustração do avanço do filtro.



- 13 Empuna o fitro movendo a gua impulsora de númici para a frens arravás de calidar articidar, empunando titro emicarás maximento do arango da guia impulsara (Figuras B.E). Não pose o gua ampulsara pato tras, empurido a openha poro a lunde. Para communicas do operador, pode de fuser uma taçada na guia empulsora de mênol, sera que isso procupio Actores no impresso de netros, pora lacintar o manuscamento a avença do quio impulsare.
- Carbinus a empuritar a gua empurisora para a herito alto a porto do hário atrigi o marcindor radio-opaço na colhernicia a distal. 🏌 caleter introdutor. Messa altura, o punho da guis impulsora devia estar adjacente ao adaptador em Y.

Libertação telocação do filho

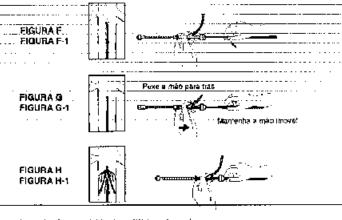
, liberte e polite o force conferenc describ abbito:

Figure F: Segure com випега по ритто de дил итри вога

Figura F-1: Orbito eccontra de postocicado no catello: introdutor entre os maistadores rático opades antes da colocação

(101A: Niju khorte o filipo opopurrando o para klém da eutremidade do calater latrocultos Eurvez dinso, dosembainhe e Nijro knovet retrapos o capeur horozhulor eochorne niesorko Stastoc

Hustração da libertação do filtro



нуулуу ол наургуулуу на наургун анын и ошта ошто талго сол (алго бо войражког ею 1 е кихо ба алгажизататата раз 122 сттранарния ворга о рудно, акасарила о проталов о писо.

Figure G-1: Sisserreacher e Riso na VÖI

Figure (fil Posição das máios po completar se o processo de desendambar.

Figure F. 1: FAID orlocate, Az VOI.

- 16. Agera retrala a gera impulsora para o interior de tubo de armatenamento deguran do constitutada no conjunto formidos pela rodista en Y país Lévi do especial e capacida de especial de la companya de la despecial de la companya de la c
- Prossiguidade a migrafo como solução salma informivalm ou com a portusão guita a gota coldidua para mainte a potência dricatele^a nitvidutar

renovemby and the segulments —

- 8 Pode efectos: se ura victorização da segumento depois de refrar o contro introder para o efecto da veja nisca (nor marmante 30 m/ de hijo 5 de donocero a 15 m/s;.
- 10 Bergoro o capter questira e lega umo compressão de notra safere o reasi de punção de Laute mática pera ocua a Remo-

PROCEDURATO OPCIONAL PURA REMOÇÃO DO PRIMO:

Romacio do Miro Recovery

CUIDADO: Recomenda se vivamente que a remoção de filtro Recovery saja feita utilizando apenas o Recovery Cone.

Едиринийи мененайо

E habestärkfult tät a segunte eaustamenta:

- U.p. Esterns de nerroção Recevery Cone que conten
 - -Uni conjecto de bairdia de Siertação de 75 cm com 10 Frenza de D.C. e o i dilatado.
 - -Um adagtation em Y com Recovery Cono e um sisteme impulsor de libertução
- Guasias 8,035 paregoras com uma posta em u de 3 mm e um compomento de 119 cm ou aupero
- Agent de perção no al de calho 18.
- Schic's salvia
- Tuto, de extensão exterit para o gota a gota de solução satem ou una seringa para perfusão da solução salina
- inusaras materiais pasaetos para resimpor põos kõibiris klimis 1999 filj autasesin lõng, vas mooste irgises rek

O Pino Recovery La Lazizado no Carando por om impaligudo, e dele colaboradoreo, em selo hocolase da área do Terento em Se individuas, de acordo com as normas do Acesso Especial.

Brilliau a recentrativo succesa um métera utilizarese naticonario, a vermedo los efectuado pejos tiĝo métero <u>а в означение во імерею да в'яненія.</u>

Dea 55 Altron mydiantados, for pecuparach sun total de 45, 8 permanasalans colouratus e 4 Guertico Horald Ministriu California Coloura a com a policação ou extracção das 18 os decoarsis, carcos, polariers e espergênce polian e scidente vascular cerebral de Spotherronagos). O período de tempo ele a namoção do Elito veriou entre 1 e 161 des.,

Tempo até à remoção

O segumento após a comoção curou em media 70% das proteina o de 1,901 das . A maior parte dos ficros (nº43) fo, estraida and the street engine in the street and stre vela cultiferal (n=1). Umilio removos colungamente dumenti umo operadan a um canaro, cupi massa estava a alfadar a titoc. Os colo misiodos discorbas nas metruples de l'intergato forme utilizados para est per o titro em redos de casas, com excepção de 4 Los quias se utilizad umo ban ho morar ou temou oritora de umo anas microleo en vez de de utilizar o sinterna de reproção Recovery Cone. Cookes um caso de embaria pulmonsi assinternibra quando de ubilidou a babba mauri.

Diag

<u>O único e lato segua grapo delectada so a bactura de um braço e garcho da Piso Fisia sido loi extensido por via infra-segui por es</u> mather gravets districtly a terrest at most element and 1942. Penns an que a fraction consultor des lorges cours des parts de procesa misellat escribira esta naerá altora en oriente de existen a ciencia o como contra escriba escriba oriente

Charles :	ringhijo or
superiàx	nsie chinica.
Filtres Recovery implantacies	- 52
Remoções percuráneas de titros	
Remoções dinegicas de filhos) (simultaneamente com respecção de um tanta)
kade dia pasicila	B-89 enas (raedis de 52 apro)
Austilicação pars	# colotação do 8/80
Contra and cardes em resigno é articologicação	
Complicações associadas com a articoagulação	17
insucesso da anticeagulação	7
Pro&vis	2
Тепро ale е гело(ão	1.161 des (mede de 60 des)
Segunterro ароз в гелюдаю	1 931 das (neitia de 325 das)
Complées plus resultes	orise de remoção do litiro
Teanwas	0
Fractura do ganero resultame das torças causadas pelo	
pisto e nascimento e pela colocação infra-tene:	1
Embrois pulsymou assistantika epis a temocióo	

Instruções relativas ao procedimento

Inserção do Cabile: Estrodutor

- Sereccione una via adequada pera o noessa venoso jugala, no Sada dreño au no Elda esquendo, dape ados da banas ho ou du aristorio do docrée, da preferência do operador es da localização da Veribosa recrosa
- apare, primeja nel potre o presidenta i indica de puncia, de pero de paredo contro entre e
- Selections e abra a embalogem de cabiter di. Recovery Coose Abra a emissiog en do lit é és caféte introduter.
- Papa usta mesika sa pele dan a tiarina Min III e ekutes a veraperpiandan oran aguita de perçia most de calibre IB.
- 5. Impoduza o pura e empone e com pulcirdo ale ao local onde se encuelos o 17 ho flecovery que pretenda cerrover
 - Gelegia so, ha de verepunção sobre a pra-
 - J. ... Pro-détio e vaso ao qual es acodos cara um dialbé x de 45 filonifi. -

t_a in ≢ weren recelete retunkter de fili freveti pettemene een nisskontalische atomisatosche algaber een allo interecht na ve RUTA: Disabler introdutor pous a um marcador radioscarco na externidade distal da bainha de cateler para acultar a

- Remova a guas e o distador, den ando o calete: introdutir com a sua porta na localização apregnario. Haça ema interprêse. granual e de formo internationse cuntigue a o catego uma perfusira pata-a gota contiava de sobrea sastera, para marter a
- <u>10. "Real se um con massograma inferox gradião (normalmente 35 mó de produto de modraste a USUria). Vestigio a se enciero</u> ingrebre notices. See environ transpossopsis arous dentre do tales recommendatelle. Recomme

Inserção e libertação do Recovery Cons-

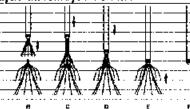
- 11 Balke e cone e o esciena de liberación do Ka El
- 12 Proceste a in gação do lúmen central do caté en du come e humostopa o estre com apulção estata, do preferência hispornazada.
- 13 Rutais lentamente o cone para o intense do ade tador est. Y pera fecha o cone

KDIA: Dieson deve autar lotalesente retraino no leterior do adeptador am Yantos de Joar o sestema ao celéter Introdutor. para so assogurar que o cone pode ser lacimente libertado atravos do cabitor.

- 14. Ugrey den same die 500 jali og det e stengen dem svålighe spiling av militat bøjend de satisphadet en. V. Deine a svåligke seksta Itus you regar au come de remarges no este plactic em Y, durente S segundos. Aposte e válticas do adeptados foutry Bordi para reprovati conducio de acérção salha em direcção ao alexentador más nunca de forma a impeda que a hasie inclusora
- Prenda a estremitade macho do adaptatur em 7, com o core techado, directamente ao catelar minotator. O catelar o trodato e o sistema de libertação do 1810 devem ser martidas em linhe resta para misimizar o esta
- 16 Empaire o cone inciende a hable impasso a bara à fiente abaves de calete introduter, empurande e cone em cada. nviviencialo de avanço de hacee impulsora.
- Свобо и в операто в див гория на ей осное воери с така от годо-срвен, на ексепедий district in relate положен Desembartie para sart a crose estabarranda a haste e recuardo a caleter

Coptus do Filtro Recovery-

llustração da remoção do llitro



.16 A capture do fétro Recomo encombre ao dustado mas facuna 8 f.

Figura Be Clegues, de coma dar saco abesto acomo de titto, avance e come sebre a penía do bisto mantendo o caletar misocrato enával a empumendo a haste emplesant. Recomendo se que se oblecha uma magam recessiones ensenor en que pera continuer se o cone está poble a porta do hibo.

Figure Co Fechic o cone sobre a ponta do hitro emperiando o carefer norodado, estre o come, ao mesmo fembo que menten

Figure De Continue a empures o colete introdutor sobre o cone até este color dentro do calatir introdutor

Figure E: Com o cone lechedo sobre o fisio, tenvirsa o Bluo establizando o caleter atriviator e retraindo a haste impulsora

Figure F: O libro for mitraich pera dentre do calnite

CONCERNO DESCRIPTION

- Pode d'oduai se un vancos ograna de requimerto depos de reasir o calletti introdular (normalmenta 3) mi de maio de cocasea (5m/s).
- 20 Regrova o explan refregror e faca uma overpressão de jobr a pube o àceas de perção, de forma normal pera obter à

láchica com Austlin du Guin

Devido a refleções arabisácias receptêntes a posição do Para Recorary, podem ser ablimados hacinos que recordar ao acados

ervisesse de una gala

Se for differ avançar o come sobre a ponco do sisto *Recovery*, pese utilizar-se uma quia para secificio a avança do case actare a

Reine a buinhe introdut era e a tracte de cone para fina de porta do fitte i heroduza uma que de 10% pologodas aira da do Kimon sestral (passe em 4 da panta em Engulo; recomenda-se a unitarção de uma guas com revesimento habolitiza). Empuros a gua através do cons e stravés de liste para uma puesção gráxima du ponta do titro

Depos da conferencio que a quia está em contacto ou présena co parte dolfara, empune o cono sobre a guia ete elenge a ponte

Empure a banha greeditiva de codo a forna: Egeramente o cone sobre a posta do fibro. Retrata a guis pare o interior da baste moussa.

Configue a remover o li≾re conforme describo ∧o passes 16.

J. Apresentação

Cach Sho Recovery e femocado pre-maistado no seu tubo de rumazen, memo. Cacta Rho Recovery e estánt o apregorizo, a não se: que a embalación tenha acto denfácada ou abesta e está proma a ser utilizado numa única utilização. O bábo de armazenamento e o salano de libratra na sa premario do. Se o biso la madrantamente con anegado, não o balle sendo kay nascondade

filida Anás religiaçõe, no soversários e dispositivos do insercão do Pero Respuery podem constituir um risco biológico potencial a cimere se de aporça com a prático mades, e os las e normas vecas, acticada a federas aproved

"O ferro Macanyery deve ster quardatormani focal desco (à femberators ambienée) e seco.

E. Garantia

A Bard genera ao primeiro comprador deste produto que o mesmo estara isento de defeitos de materias e de mão de otrão ezanle um purodo de um ano a portu du duda du primeiro aquesção. A vesponsabil dudo, ao abrigo destriguentas landaisos, aota imáxici a reprincipa au substitução do produto diferência, segundo e atérno as dissinsión Bierd de ao recentadas defenças bapido. pago. O uso e desgoste posulgades da unkasamo normal ou del el os resultantes da utilização incorrecta deste produto não estás abrang dospor edo graddo krideća.

NA MEDIDA DO PERMITIDO PELA LEGIBLAÇÃO APLICÁVEL, ESTA DAFIAVEIA ENFIADA DO PRODUTO SUESTITUL TODAS. AS DITINAS GARANTINAS. EXPLÍCIDAS CALIMERICIDAS, ACCIDISON MAS NÃO LIMITATINA. OUDI OLER GURANTIA. INFELICIBADE COMERCIADAÇÃO OU ACECUAÇÃO A UN DEPERMINADO FIM. EM CIRCUMSTÂNCIA ALGUNA A EARD. <u>ira responder peaante sepor coascules dancs lucidentals och vorrectos regultantes do seu.</u> MARSISEAUCERIO OU USEIZAÇÃO DESTE PROQUID.

Alguns paises also permitens uma eschasio das gelentias protocas de dalois societas, ou indicados. Page las directos precursos -suplementa es ao atrigo de legicação do aeu pain. - - -

"Deta de emissão da rotulações: 12/00

Me reser de ferem decenido 3 antes entre és à data é a una cição no produto, o unitoridor deverá contactor a C. P. Bast, too para verifical de existem informações autoconzid sobre este produito

Band, Recovery e Recovery Come são marços regidadas da C.S. Bard leci su de ama compresa a Redu. Rateria americana N. 16,007,558 e 6,256,026. Outras pateixas pendentes.

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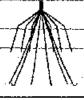
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Recovery® Filter System for use in the Vena Cava



EANHNIKA

-Πληροφορίες Χρήσης

ΠΡΟΣΟΧΗ:Η Ογεσιασιώσεις επροθερία των Ηθώ περισμένε την ερίμηση της αναγωής αυτές μόνο οι μποριές κατάτην εντονές,

A. Frank Magazaria

Το Φίτης: **Μεσαίων**ς αντροσώσει μές τής 1960 κατά αυτουμές φίεβωής διακοπής που έχουν σχεύσετες ώση να οποιριπούν της πουμανική εμέτονή. Ο μοναίτε ός σχείσσομός το το υλικό κοπαιοκούς του Φόπρου Αθεκονούς πορέχουν εξαρείτε ό απουκείς αφιή. λάβηση καταιρένουν τη διαδεργού ποτοθέτηση διαμέσαι ενός κουνού (ΕΔ.) 7 Γιακό συγανχρόρικού. Θητοικού εκτορμήσησ ελόγιστες δυστολές αναγωγής 11 επέμβαση ταπαθέτησης, είναι γρηγώρη και είπολη ώτης εφαρρατή

"ο Κερισίο λεί έχει αγολέστεί να να πρασδείται διαμέσου καταιόχο πασιμικής χήμους 48 απικαι εσωτεριοχιδιαμέτρου (6.Α.) 7 French, με τη βοηθείο εκός εύκαμπου συρματός ωθητήρα από νεικολ. Ένα επίθεμα ότα όκρο του συγματός έχει σχυδοσπεί έτα. Ιωάν να αθεί την εκοροφή λόμ φιλέρου, ακώ να ποθείο σχεδιασχένο αυλουμικό τρέφμα απόριξει σε περασυπεριέζει συνατό το αυένη του φύτρου. Με τον προποιστρό το φύτρα αυφολύσται στο κυρμο μέθητησα κατά την περαύθησή του, με το όκερο μπροπτό, προς το περιφορικό ότρο τον καλετήρες είται στο σην ασωτοτή νεκρικό φιέβο. Όταν το σερό του φίλορου προσεργίσει το ότρο το ναθτήρα ανάγωγει θα βρωνετό μενάρ καν παινοσκερών σεμένουν, του καθετήρα εσισκογέα. Στη συνέχειε, ο ναθτήρος <u>μον χρής του η διεμές φυρλυθέρωσης είνες στο μισω στη λαβή του στοριατός ιπέητησε ώρας να αποσυμθεί το θει άρε και π</u> φίληση να σπολεοχευθεί και να ακαι τήσε το προκαθοραμένο σχήρα. Το αδοκήμο μεγραμόγρατος επιτρέπτε στο Φλέρο Περονέγγ al e grandfisher to dress two anytogenerative has granded a to Books bown have broken

То Філос Ангонну бую аухінаски йоги не бразиу уницы цвэрэ. Стонновий этом «Хиния, на Айгос Маконну уткук і на anankyja propikany patro ana ak-ehepatrad noj odebnici ie sakopilija nat nakelia un anketapita pjetojenet grafipani Алданурану. Не екоопий фуновра иги Фенции Месанну ктой пасмоно фице на тарцион фицута науча алтигиала от с prior desiration, which with method is a described to a secretaries, represents the constitution of the analysis of others. επόνωρης βλέτε Εφορρεσιή Επίμβοση Απόνωρσης).

 $\textbf{Modern} \ \textbf{percentago} \ \textbf{Modern} \ \textbf{percentago} \ \textbf{Modern} \ \textbf{Modern} \ \textbf{percentago} \ \textbf{percentago$ ούτι επηρεοζεται στο τη λετιουργο της ουσικοής δεξτηριγής ΜΗΙ

Β. Περιγραφή της Συστεκής

Το Σύντημα Φλίφου Μουσκόν στοικλίας στο τα Φίλφο και το Συστημα Απελία ελέμωσης. Το Φίλφο Ποισύνεις απιπελλίαι από Φύδραι σύργμα από γινολί που διαθέτουν ή λημή αρφικός πουλέρχωντα μέσα από ένα κονήτων μπώνα από ντιπολ. Τα Φύδηκα σύργμα αμιά σχημιπέζους ότο επιπελά έλγθησης οιθώνως το κατιπέρο επιπεδό διήθησης παρέχεται από το ακλέη, ακώ το ο κυτέρο επίπεδο δήθησας παρέχτημα από τους βραμένως. Το όθετρο Βεσονίκεν η φοράζεται για χρέση σε καίνες φλάβες Agutpou is g 20 mm

Το Σύστημο Φίληκου Ποσονίνη απικαλέρται στη. Ευ από Α. Το Συστήμα Απολιοθέρωσης αποτηλείται από έναν καλέπησα ο κογωγέν με Ε.Δ. Τ. French με δικοπολέο, από το φικρα Recovery, έγαν σωλήνε φυλεξής με θύρα έχχυσης αφού, και ένα σύστεμα αθητήρο. Το φλήρο Ασσονίαν συσκευθές το προ τοποθυτεμένο απός του συλέχει φύλαξης.

Εικόνα Α. Σύστημα Φίλτρου Recovery



- KAGETHPALEIKATOTEAZ TENARIAE BYNALEIL BROTHOY LET-ETAFAHAI ETAYEHE OPBY DAFYEMH GYBA
- PYRMZOWEINZ TIPOZAPANCEAZ TOUHY-BURSE EVRIA OOHT-PA AND NITHION
- ARBHITON ZYPMATOT TYSHINGS

ZMEA/EIRO, Par χρησφοικιήσειε το Glama Resilvery, Biolisian incoloping προσιχικό ...

Το Σύντημα Φλειρου Αποσυνήν ερικερίζητα για την προλημή της υποιρακτάζουσας πνειμονικής εμβούης δια μόνη ης απεσθατρητή στην καλή ελέβα στις ανάλαυτας περιπελίστες.

. Ποτυμπονή Εγισμβατιμέτους έπου η χαρήγηση αναπουτούν αναγκάτεννας:

enių, akvytų osių avija sistem ja alijas jaijo alijo kasos

τε πολιτικός σχωρή τίπους στο χυτείος ανατευπού ερφολή όπου το ανεχενέμενο αρείλη της συμελιτικής σχωρής είναι

Χρονία, απόστροφορού έντιξεο, κη εμβρίνη όπου η αντιπρού η αφώρη της έχει ακαπέχει είτε αντικδών νέου. Τα μίλυρο Μοσανική μπαρεί να αφαιρεθει σύγχωνα με τις αδεγγείς του παρέχονται στην Ενότητα: Πραφορίενα Επέμφαση Artestacog (Olimpia)

Δ. Αντενδιέρες Χρήσης

ΠΡΟΣΟΧΗ: Αν η Βιορθωμένη διάματρος της κάτω καϊλης φλέβας (ΚΝΦ) φετρβαίντι το 20 πετ. το φέληρο čev do vpćne ve ekreydej emy KKO.

То Фигра Кисачну бен во прета макеритекти их:

E PLACE DOMENTE, CITICO IN CRESSORIO POR CARRACTO NO RECORDO DE DESCRICO DE TANCO POR COMO OSCULO RECORDO POR сма́дцомы праведачій

Ασθεκές με δουμετρο κολης φλέβος πουλιστο 26 πετι

Artesti: Tour Barrel co y reference martinis (pulso)

Е. Проиботокульс

Exercicuon fou Diktoon Recovere

- Το ηθέρο κούης φλεβες Εκτανταγείθη προποποθέστελη συστεριλήνο συλοήτε συλοήτε να προκρέσια για μέγενέ αντέση. Τοπολιτήσει συνεπικό φίλιρο στην καλή φυέβα (ΚΝΟ) προπουτα εκτιλέρτε διάδομένου δευτε Φειτο Βεσσυλέγιου συνώπους! ം നേത്യത്തെന്നില് വ മേക്കിന നമ്പ ഡിന്റ് വിശ്വദ
- Η απιλευδηρική του Φυτρου Recovery δεομέτου του δημαριού εκκαγωγία γίνε το μετικεύθηση. Τυχέν εκδεκηση του mercena, cell also rate all responses to applying the account of the continued of the contraction of the con tikal fi kur fipatjeleka i iz Bajdangonica upujurobazi upu esperityu aperisopan izus (Ostoriu filas arcilla).
- i ?; ···· To Comput Origin Recovery (30) ou desire anovement and opposit, approximate, fluid are great parameter and opposi θεουνετή τα το Σύστημα Απισεοθέρωσης για προσεκήσεη από φιέβα που βρώτα και φιγλουρα το γραγ αδοιή, παιροίεδη φεραβουντική), διότ των τα καια δα τολητημικία του φιλικήνα πρωτοκριαλγομό που Φλημους Μετοντική ητικό, περγαλεκ εκέλες
- λο πορού τουτό μεγολός θυλέβος στο άργγο στιλεγώνο σόμελο απαιοθέρωσης, μην επιχομήσεις να απολεπτελώπετε τ Επιχού θαλαστο σύπου Επιχομήσει την απολεσκέρωση του εγιώρας από εναλλαφικό σεμείο. Αυτό θρόβρας αντά υπράς: record for the the control of the indicate at the two transfers
- Αποριχές το Ολίμο Recovery μολί με το Στοποίο Αποριχός; Recovery Cone. Πού έγη εί πιοσίας το λίτο ολίτο το отор (де втюрирф:
- Που μην προσθέθε τα οδιχατούς με ότις διαστολία δυμπεριών εργεί από μετ αντιών με παμέρρα διχώ μεθεργείμε με έ acticianosa.

owners too Olkspow Recovery

- Μην επιχειρών για αποσύρετε το Φληνο Ακτονίκη αν επιζεγές συμαντιή πορόκητα θρόμβου παγδουμένη μέσα στο Φίνησε αν το άκρο του Φλημου έχει ενεργεσούν στο παιρεχιστής πουλχή μλάβας:
- Του να αναντήσεια το Φέτερο Recovery χρημειματακίας στον λείστε ό το Είστη μα Απόσυμσης Recovery Cone της Bord, Η tegan, altrin euskanin éjai ses alécei unaspassela se meujosen eppain

ET. Recordings

ўтемаў тор Фікарам Посомегу

- ξτις έγνικς γιναι (ς και στις ημισίκες που βρόποιες σε ηλικές πικοτοίτης χε, το φίκητο θα τρεπο νε πιποθετιπα ύπερθεν
- Τυχόν ενοπομείς Κόμκρούς τιθόνως να περετίλεση την μασκευή και της έκπηθη του φέσρου. Η πουσγενός σνέχνωση δυλών των Οδηγών Χρηδής μπάρα να μέσωσα 16 χράνα έπαγωγής και την σιέανφητα να αννανησείτη δυστώξε<mark>ι</mark>.
- Δυσμορφός της Σπονάωθεης Σείλης. Οι ασθανής με σεραπικές ευσοσπολωτικές δυσμορφός της απονδώθεις, στήλης είνα σημαντικό να εξετάξονου με προσορή διάτες νάτω και ές συέβα ανάξεται να ακαίνουθεί τις νανίες καταθάντας των πιαπορείαν δυστορφιών αυτών. Στην περίπκοση αυτή, η διαθεργική απόσυρση που φληρου ενδέχεται να είναι πιο δύσκυλη.

- λεχόν ανακομίζς διορορούς πόν κές να περιπείχουν τη διοδικούν ευτέχενης, να έκπικής του Συσνέματος Απόσυρατς Recovery Cone of model and arthresis and the Organic Madring proper valuation to price encapaging a ma-
- 3 was referred to T in T and T is the T is the T and T is the Αντουργός Αυτονική Code οι σολονές το πορανικός επιροπωτικός διαμομορίες της αποιδείταις στέλης έλα ον με το το το τόπος στη τροσφηρικός η πόρω κούς πρώς ελέκτητες αροφορές τη εντάς του είναι του ποροσμούς και वेरणस्थानस्थान बनायेनः देगान गन्द्रोगान्ययम् बनायो, राजवेदीतानः स्थ बनायायोज्य नाम्यामुक्तानम् वाद्यानस्थानस्थ

2. Oddová Emirkávicy

كالاختماعات والمراجع والمراع والمراجع والمراع وا d and the Total measured reaggraphs, a Kirkel abenjurals'

-διατρησε του τοχώνατος της πόλης φλέβας. Αυτό μπορά να συμθεί ου δεν χρησιμοποιηθεί κανόληλη νεχνική εισσημέρς Απολιομός της κάλης φλέβος. Το ενδεχέβουν τουά θα πρέπει να αιαφελέτα για βάλη το πέρα του εκρινή ευτοίκου προς τ πιδενεί το το προστορικό τ

Η. Απατούμενος Εξοπλισμός

Ο ακοιωθός εξατικορές είναι απαράτητος για τη χαγρη.

Ένα Φίλησο Επισυνέγγισο ένα Σύστεμα Απιλευθέρωσης όπου τα ευριοχούσει.

-Σος θρόφο ασσημικές με μέτος 40 cm και Ε.Δ. 7 French με σχη δεριστούξει

-Ενας σωλήνες φυλούγς με προποποθετης ένα Φέλιρο Ανευνίκην και ένα σύστημα ανελευθέρωσης ευθοπρα

-Οληύ Γερμά 0,332 επαίν με όερα αχύσσας "1" 3 του, μηκαίς 110 και ή μεγαλύταρο

-Relation unition 18 gauge

Στείρος σωλύνος πραέκτασης για επέγδην βοή ή έγχνοη άβδ

Dia na firma is ulas is yan qila firma parais mpoy apilaji kamila apili 1, namuri para Bajaris, prina ja

-1 C. R. Βε ο δοβετεί το είναρωγής αποκειώμετο από ένα αδήγο αίχεμα 0,038 επολώ με αίχει οχεροπος. Τ' 3 s βενώνε εκραγώνης, ομίνη αφ. 15 και σύργχα πων 10ου (αρά, επιολογού 40/0E)

ல் செரும், மல் பெரு நாக்கிய வர்களை மிகி நூக்காக கேடிய சிக்காகத்தாக சிக்காதனத் சிக்காகத்து கோகத்தியன் காணர்.

0. <mark>О</mark>Верву Хриоту,

Ευσχορή του Καθετηρα Ευσχωγέα 7 French και Προκκογωγικό Φλεβογραφία

- Επιλέτα με κατάλληλη μεράσο φλεβική αδό πρέοβασης, είνε στη δόξο είνε στην αρκονερή πλύθρο, ακάλογο με της διαραθείς έ ή την αναπούθεταν ανδινάνες, την ποσφήρεις του χείακτιδή το σημεία της φλεβιένες θράςβλίσης.
- Πβοιτοιμόσες, καλογείς και έναισθηθότου/γεις το ότιμου Ιταριαν.Στέρσης της επιδερμόδος κατά τος καθειρούμε ο ερόσο
- Επικέτρε και αναξου τη ομοικεμετεία του φύτιμενε, Αναίται το Κη Απικς αμισκευαστός του Καθετήρα Εκουγωρέα.
- Kapálu up en a peta peta pe pa ienda ap. 15 up en redion plehonoporéunyo, a pio fredu en idae 16 gaugo
- Επιπρόγεια το οδηγό σύρμο δερου σχέμιστος "Ο" και προσυθήσει το προσωπικά στην έστω κώλη φλέβα ή στη λογόνια φείξαι. ΕΝΝΕΙΟΣΗ. Αν κατά την επιμβαση μηρικώς μουρωγής συναντήσετε αντίσταση, αποσύρετε το οδηγό αυρμα και ελέγξει τη ροποτερτα της φλέβος φάοροσα απικά με με ρα έγχνση συνεγραφειού. Αν παρακόπαστες μεγαλός φομφός, απεσούματε τη βελονο φλεβοικοριαινείσης και προστασίηστε το εκσέλθετε από τη φλέβο της αντιβέτης πλευρός. Αν ο θρόρβος είναι

ρικρός, μπορα τα παρακαμφίο επο το οδηγό αύρμα και ταν εκσημητία. Αφαγάσει τη βελανό ηλεβάσταρταλτήσης πολώ από το εδηγό σύρμο έκρος σχήματος ".Ε. Προμβήσει του» εθευμο εισογωγία 7 πεκετι μαζί με τον κωντιά του διαστολία πουω από το οδηγό ούργο, στην ότων κολη φλέβο η συς λογόνες φέξο.

ФИЛИ Скийлёрог, поправую с бийски якимоническ спрокоску на пробоблоза спачания должания выстр золожения том дектрое причено при октору. От вети останос опричену сти том кой пара поступува организований рас "arrigo", dwaw da raptum wa Apisawitsi sa gui apa, mpin uma say upulipana sau Sasaa

स्पर्यक्र बक्रुवाक्राच्यु का <mark>केनुका एक स्वयंद्रश्लोक्त करकारक्ष्यंट बातुर सारक्ष्यंत्र</mark> क्रेस्ट्रेट ते कात्र <u>an angricks he an kith i abendalidan am om thi anityt Attit</u>

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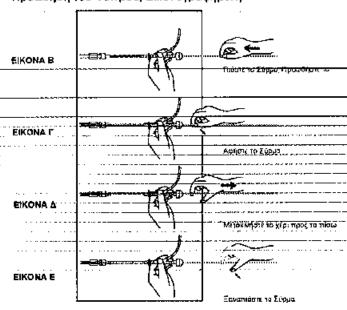
ΕΝΝΕΙΟΣΗ: Ο ομφωλές του κοίστηρο εκσημέγεο διεθετει ειδικό σου πριτά αγκόκοφά. Θε πρέπει να δίθεται προσορή General constitution of comply portal kelds. Alle by he melo durage, dion to propositive or impostable aperior rec

- . Εντικέρια επική απλοφήσητη της κότω μελίες φλήτες έκπικά εισηγολικά 30 ml. αναφέσμε ού μέσου α. 15 πένες si alèmia diagnos seriptos région en al labora de la participa de la participa production de la participa de l Estado de la participa de la pa tor(semá)
- Pro obsessioned force manufact to result to research a perfect profess. They been been been been by 2564. για επολευσούνλη το ρόσητε σιακιρικά αι <u>δεσυντικέας. Για με συθουμένους το άμε</u>ση κυμφοδρίτος *συ*σκεμένο θα πρέφει κα <u> Augusta i menindrata ny kenaranjarangan akila</u>
- ---1 . Apprése to phase to right a matrix θ_{i} ---
- 🕝 13 - Σχγάξημα έταν φορά τροά 1500 πευαν πλαφατή δύρα που προυφρογέα εχήσει ος ή χρητιή αποτονιας ένα ταλακό και π ράγδην αγγατης τέπτρέψε τη μος του συγκορισσε σέρου ήθρα αυτό παρθύμου στοσείξης σύλοθης για ό θεντοσέν νας. άνια να το γαθασιάσει το όψο της όμε πουής του δοράσου που παθετήριο ποτορογία. Μός που το του έγχοτης κατα να ατρέχε γρηγορό ρυά, ο στονέτη έγχυσης. Εφήν τι, βαιβίδο που προσπαρικής Πουτηθικό ωστε το εξοχατοποτήθει η \pm respect to a book, ϕ_i^* expos that ϕ is given that we suppressed in the contrast of the supersection ϕ_i^*

ΕΚΜΕΙΟΣΗ: Η βανότητα του καθετέρα ασσημέρε είναι πολύ σημεντικό να διατηροίται με τη διοχείτωση, του ορού, έτσι ώστα το αυλεκώτο αμήμα που στηριζεί και προσσκοπολέζει συνστε το σκελή του φικέρου να μην αποφραφέε Κάπι είτακο to empire the entitle too by thou.

Τροσφήσει το ρεκίτρο έτρι του συνέπο σύντης του σύντου σποθέος στον αθλήμα μασμορία του βρώτεια ήση οτη φάβο, μετιβέποντας για μέρ οἱ δεντιμόθεπτο τη ρω) του εχεράμετου αφού στην ΚΝΟ. Ο ποθιτέμος ειναγνέεα και το σύστηνης από λεμβήρισσης του χέλερος. Θα γρέτες να διεπιρούνται το ευθεία κρισμό όρος ελφησιατούγας τος τρβής

Προώθησή του Φίλτρου, Εικονογραφημένη



- 13 Προμέλεσα το Φέλιος το τρογιένεσε να σώσες ευθηγέρα στην κυπόλ είρας το ευπρός, διαμέσου Του ταθέλησα έθα παίχαι Κνώ HE KORE EXPROP TO LOUGHTHAN THE CARRYTHAN THOSE TO STREET, WHEN OBJECT FOR TO CHILDREN (BUT AND THOSE TO THOSE TO τίκαι το σύμμα αθητήρα, μόνο εφουθείτε του έν αντούστου μερικτή, το κόρμο εθητήρα από κατάν μετρώ να αχομαίδια βρόχο, δήμος να πορούς θεί απρέβλωση απο νιανού. για μυγαλύτωρς συνταή απο χε φοιμά και την ιστρούθηση έταν σύμμαπας
- Συνούσε την χηρώθηση πρησέρματας του μέλητήρα ένα όπου το όπουο του όλλησου επισεύ στου συνοσφορή οπίσε επι στο ημησιμείο όμεο του μηθητέρα κοσκιμές. Στα απεία από η λετή και αίματας του μέτα το θα δοίσκετα δίπλο από TORONIO MODERNIA TOC.)

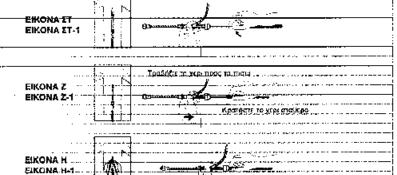
.. Английсраны Елень у тое Сигрон - -

- 15 Απώτράιρωση το φληρούπος περηγορίσε στη συνέχου:
 - Εικόνο ΣΤ: Κρανότι σταθέρο το λαβό του συρματός αυθητήρα

Εικόνο ΣΤ-1, ΦΑιρο τοποθέτημενο στον καθέτημα μασφορά ο μεταξύ των ακαναστειρών οπμένουμε τριν απο την έκπουξε

INMENDEN Mys mprauty mere en Didego many and en diagno non collective monganyira. Anoditus, heiden en Arabes (1908-19 В Илдо отой разверди, этомиранту, пот извитую импрыў іх мых, передварет оча чегідам.

Απελευθέρωση του Φίλτρου, Εικονογραφημένη



Στη συντέχεια, απελεμθέρελους το Θέλτρο στην ΚΚΟ βράζοντος το Ιομέρι ως εξής: Τοποθετις στι το σεμο του Φέλερου Ι γν κατώ από την κατώπερη καιλη φλέβα

Επιάνα Σ. Χραπώντας το μι το ένα χέρι στοθερό, τραβοήτε τη διθτούς του σωληνο φύλισξης και τον προσαρμογέα σχηματίος Υ προς το πισω, εντιλώς πόνω από τη λαβή, ώστε να αποκαλώμετα και να απελευθερώστα το αώτρο.

Ενώνο 2.1: Αρχώνος τον θηκεριού από το θέπρο εντός της ΚΚΟ

Εικονο Η: Η Βέση των χερουν έτειτα από τα τάρας της διαδοκορίας αφοίρεσης του δη κεριού

ON HALL DUMPS COMPANIES AND THE KNO

- Τώρα επισούρειε το συρμα κόλητηρα προς το αισωμετιός του σωλήνια φύλοξης πρατώνεις συλά και προσταρμογέα άχτακτα, Υ, ον σωλήτα γελείχε και των επίστερο απελευθέρωσης και περέωνας το πώρεα ειθήτερα προς το πίσε
- Ατολοίμου, οι το διαλεί αυτος μου αμού ή της ειθθερή σύθηθην έξηνού, ώς κ. να διακριγκί η βαντηκε τον «εθ. είρα iccountr.

Αεπνεγράφου Παρακοιούθησης της Καίλης Φλάβος

- Επιστερικό την αποσυμείς του καθετήρε αφορογές, γεωρά να υναλυτεί ου πουγεόγεσα πορονολούθησας της καλής...... **ελίβος (του και χοραφέλους: 10 κέ, συναγραφειο) μένου στο 15 αύγε)......**
- - Μησεχί στι τον κοθετήρο εκοντώγεο τον φουτίστε τη φονήθη συμικόνεη αφικώ στο καμμίω της παφαλέτησης αυτό το φυτίθη powe-hook-enicula-enionarys: - - -

TIPGAPETING ETEMBATH ITA TIM ANOTYPZH TOY OMTPOY: Атбанрад тоц Фалров Высочиту

ΠΡΘΕΟΧΗ: Η σημουροή του Φίλτρου Recovery συνιστόται διαιτέρως να πραγροτοποιείτο oxiderames pe to Resovery Cone. . - - ---

reduce Elektrisk

Ο ακόλουθας εξατυγερός είναι επεραύτητας για τη χαήση: -

- Ένο Σάκτημα Απόσυρτης Μοσοννης Ορλα που το Υπράχη.
 - -Eve Copage assertic/Organous pe privacy 75 cm hat € Δ 10 French size éva act biportales.
 - -ξυρν προσαμμόγια σχήματας 'Υ με Κώνα Ανακτήσης (**Θυναύου), Cons**iste ένα σύστημα απολεθθήρωσης μθητήρα
- Οδιγό Σέρμα 0.035 επολίε με έκρο σχέρετας 👽 3 πτι μήσεις 110 στη ή μεγαλύτερα.
- Ясхана стобы 18 авиде
- Διοσιολέος των 12 Ετεπέδ
- Otec
- Στέριος σωλόνος φαρώπορης της στάγδης φεή ή σύσενο της δεχευτή αφού
 - Tika za Sassio wiwie wa pieliomanowicznam, aujec Jeritor op. 15. to

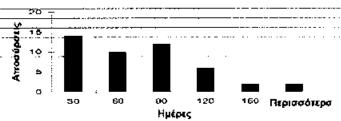
τα θέτηΣ Μέδονειγέχει χρησφατοιήθε στος Κονοδα από εναν εμινέ<mark>τη τα</mark>τόνο συνέργατες του, το το ποσεκαμέια από περαχη YOU TERBOTO, OF SE INTOLLERO, COMPLAIS IN TOUCKER OF PERIODS, TRIPLE BYING TOO SECTIONS, ESPECIAL ACCESSES

λα και η συστικοή χρησιμοποιήθηκε συστοπικό μόνο στιο έναν χρηφό, η απόσωση προκυπιστούθηκε από τρυς χιστρούς που είχαν βιαφορύτκό βουβητικό προσωσικό και διαφορύτικο εξοκλισμό επιλησικός.

Από το 38 τη ροπομένο <u>ελέτου, αποκέρθηκου συνουνό 45,2 παραγώνους στο</u> 90οη πους ενώ Αμπθενού, έχανο κατελήψη*ς* το pitepe any divine trans and arise by sparing serve on the installation of the andounces, that perspect (differential propriety).

ετλεορισμούς και κτισμονής ακτι αγόδωση, αρτορούρια του ακλού. Ο 300 και ρίχει τον απόσυρης εκρανόμε στο 1 και 160 . Halper in standard or AC refere (Mich. provention)

Χρονός μεχρι την απόσυροη



ει παρακολαύθηση μετά την αποτακότη διέρκου κατά μέσο όρο 325 ημηρες (εύρος, 1-90) ημέρες. Το περισσαισμο φέτρο (π=40) εποσφειμάν τος της της της του αραγικός ευθές, επιστρομένει εποσφειμέν στι ής αραπερές του δορά πους ένθες, επο Το στο ποράκουρος ελέρα (α-1). Το ένα συσκόρθητα χυρουρεπό - ότα πλολοκ επόμβρους λόγω κακτύαν - όδη α ό και ερκέταν OF STREET IN TO CIVIDO I 10 THE BEODUSCOM TO DEVIDOR - OF DIVERSITY OF RESERVOIS, DESCRIPTION OF SECURITION OF ONE PRESSOR που περιγραφονώ στις υδηγές Χρησίης Στις 4 αθλές τε ρεποίδείς εξέρε αδός δίντι με το Σύστιμο Απόσερους Μεσονίκη Cons χρησιμοποιήθημη μεγανικέρο θεκ πρειή αγείλη Εροχας και Τη χραδή του μεγάλλι έραν. Μοκοριού, προένναμε μια περέπονε η εσυμπωμοικής πιευμοιικής εχδολής.

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER

η μονοζωή άθη απιηθώρητη ενέργεια που αναρερθήκε ηταν ειθεράκη ενός βραχόνια και ένας αργάφου. Το εν έδηθυφλέρα απέ ιο κοθετηθεί κάκεν από το επέτα δο λολι ναφαιών σε Δενώο Ζεναίκα που Βροσκάλον από τρέο 1 λίληνα της εγκυμοσάκνα της, σπά επιτείο των μορομικών αποιούθων (🔩), ή θρεμος απολύθηκε στην πλεις που ορχήθηκε λογώ του τονεπού και λόγω του επρέδε τεπάθη της κόμε στό το επίπεδε που σεργών, και είχε μες αυτόπε στης πορέκολεις του αγειστρού και τη διείαδυας του εγεν φοιμεθεία το της οπενδαλικής στηλης. Το φίλησε αποκέρλησε μογές το άγκαυρο

Levortok	ος Πένακος
Klavinijs	Εμπτιφίας
Εμφιπουίνο Φίλτου Ηθεονέγ	¥ .
Subspirit & substitution	I.E.
— Харозоуния Альноров; Фёлрых	α ηποραλλήκη με την εντομή εγκους:
Hour Aglevaic	R-89 την ζωίσος όρος, 52 ττών)
Λόγοι τεποθέει	στχ τον Φίλτρου
Artisticij trianjencije bezane	44
 विकास अबद क्यान्द्रेश्वरण्य होत्र कार करणामुख्याचे देवतंत्रम् 	18 .
र्वेश्वर तामुक्तेषु काम चारावाने वेद्रवेदान	3
Abyo: teganjikalija	2
Κρόνος μέχοι την απόσυροπ	4-165 méret giénos dont 60 méret :
Committee metamoral segularity fines LIV, an occident	s 490 district throod glosd 350 district
Επιπλοκές Από	συρσης Φίλερου
Troomis .	
θρούση και έχουτροι λόμω της πέσκης που ακτήθηκ, κατά τον ακτού της λόμω της ποπέστησης καταιακό ποι τα τολο τολο	1
Ασυμπτωμετική πετεξευική εμβολή μετα από της απόκυρας	1

Digway Tomostrages

Ενοκγώγη του Ναθετήρα Ενσαγώγης

- Επικές: «Το κατολικής ακαγητικ» ή εκτροή από προκρασίες της σεή ακίβεσε απήλοβοδιές ελεύρα, αναποίο με τις διασιάσεις, ή την ανακομία και ασθενούς την εραπήρηση του χαριστή η το σημέτο της ηλέβικης θρόμβλου ης
- Reservations, estimate an examinamental to exact transmittening the attractive section in tobal course where
- Εκιλέξα και αναθής τη ουσγενάσια του καθετήρο Recovery Cone. Αναξίς το Kri A της συσκουσολας του Καθενήρα
- -Xapája zy, emberyida ja jir já herőge eg. 41 ka enzeléske enebenseporungog jir jás belova eksőbei 48 gorge...
 - Εισαγάητη το οξηγή σύγμο το τηνευθήσε το προσύνεται στη θέση του θχέσκετα το Φένησε Recovery που προσυποίνα कार्यक्षरम् .
- Ασάρχου, "ή Βυλόνα ελέξεσταρούς τη στζ πορίω από το οδηγό εύργο.
- Opočkie od repokratnevý neu repomielicinych styrobu ja nos čladnostie neu 12 Franch.
- Ε. Εξουθήνη, τος ταθείτρο μυσμένης, 10 French μετί με τον κένους του δεστολία συνώσει το σύχνο σύμμα, καμμέσα σες

«ЭНЦЕКОВ»: О кайстроес потушуюс болость выположного опролого это эторосого быро том быкорого том отбиторос уго - LTR OF SOPEREN STREET, STREET, STREET,

- -λομος έστα το τόλητο σύμφα τος τος δυοστολέο, αφορευτική τον κατάπτέρο εκακγαρής με τα άκρα του στικε κατάλλεμας θέτος Περιοδικό προβαίνητε ότι εκτέκεση του καθέτηση κατο μέρε η προκομπήσε του συνέχη απόγδην έχερκη έραν προσημένου να ······ (व्यानुहर्ग्यंत ५ \$टाउन्हरं १०५.
- Empliese umori econográpion nej salam valles philipse (minirá gaplycórnei 30 ml. ainográfica) practa de 15 int. 3) Скауба ул въсцения рели отна выро. Ан рена отн Фицин сун паржине ограния, постат за фразбол, резу отномость за **CUITOD RECOVERY**

Estalywyć est Xuguryać; tau Recovery Conc

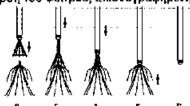
- Αποτύρετα τον κώνε και το αύστημα ωθορήμα από το Κιπ Ε.
- Προβούς το είκολοτη του ποτροκού εκνού του καθολέρα του κόνου και ερβοπτιστε τον με αρά κατά προπόν, σ_1 με
- 13 Απορήρεις αργά τον κένα μέρα στον προσοχικής συχμιτίας Υ έται ώσα να καταράφεια τον κάνοι.

ΙΕΜΕΙΟΣΙΕ Ο αργος πρεπε το εχει αποσυρθε πέπρως επιος του προσφαιονέο σχέμετος ή πρικ επό τη σύνδεση ίδω συστημετός στον κεθέτηρε εκονώνγης, είται ώστε να εξισφαλύζεται η είκελη διέλεσση του κώνου διαμέδου του καθέτηρε

- 14 Συνδίατε έναν ασκα αραύ 500 ακ. ξιεία ουργγα με αρό στης αλευρκή θυρα του προσαρμογία σχήματας Υ. Επιτρέψει τη ρεό του ευτούρεται ορού γίος, από τον εύνο οπορύρσης στος προσφούντας σήματα: Σ για Γρατισμό δινουρικά Σ<u>είδρε το βουλίδο του προσπορικμέν Τουδη: Β</u>ορεί ώσου, να ελικρό δυποιήθεί η φυρήφους και άρδο προς το περικά Troubles and the Coloring Design of the Atherina of the State of the S
- Проворијски во времи о диро вое провојеније в одјуватос У јег то накто тоз (ускранорјеје) откижноста на каде нооция. О нединара, скоружеский по общую отключеский пои флуков во тубть на фитуантно ос сивей-- ADOLLA WO THE LABOURD SHOP THE TRANSPORT
- τόν πεβρουθήσεις συντιμένο μετιροκώστας και κάρκα του αθηγέρο προς το εριπρός, διαρέστο του εσθεττρο επισγρυβα τολύ μπολέδο τι τηση και του τος εκθενέτρο πένες θε εξιπό ος προευθείας και πον πένες.
- Τιντικός την προμάτου του άλλης του μερικόρου έως ότου ο κόνος ουρού στην από σου στη συστοί στο περισερικό ακας iau katringo cinasento Brans in Ginso mana arateu no Kario, diataparadente, sarateia nai cituatenno, no

THILLIAM TOU BUTTOOD RECOVERY

Απόσυρση του Φίλτρου, Εικονογραφημένη



18 Η σύλλημη του Φίντρου Περανατή παρουσιάζετα στη Εκάνης 5-1 Τ

Figure 8: Appliantion (http://www.pinita.com.in/Citate actualities) RTINGS OF MADE STRAINS IN CONTROL OF CONTROL Εικονο Γ΄: Κλέτης τος κώνο πάντο έφο το αυρό του Φίλησευ, προυθώντας καν καθέτερα υποφικέα αφιλύ όπο του Κώνο κα ερσικό τος περευλήλο του θέρνο του μέλησής ο οπεθέρο.

δικόνο Δ. Συντήσια να φοριβάίτε τον καθοπίδο να όλονδα παλο όπο τον κάνας αυτ όποι ο αδιτοί βετθεί εν γίε (το) тей провожнико

Εικόνο Ε: Με τον κένα να έχει καττιέρει πουματιότε όλλως, στοπίχεια το όλλος στολεροπαιώντας τον καλετέρο εισορισμός τοι αποσέφοντας τον άξους τον αθετήρο με μέο, ορανή, συνοχή εθνηση

οχεινός ΣΤ. Το Φίλιου έχει αποπορδεί μέσσο να καθειτρο

ғарардаң Яорекскойдуақ құқ Қожус **Ф**ефос

त्रण <mark>" - स्टानक कार पान कारकाद्रवत् तर्</mark>या अ**ञ्चलक्ष्र**कादकाद्रव्याचे प्रकारक १४ अ.स. १८५४ तम्ब ४०२४४६६ वर्षा व отиска дартуюстві за т., выстреро си језа», ота 15 m. вы

20 Apagi sti torkali njed e odjekio ko sovasu tij dvrjelj dej teori do dijekia tij, napak rijeki, api i ta dvrjelj (pátic tipo, (ti/110%, **04** pa/gork,

Cônyo Legua - Trophageowryn Trynich......

Adam an anap allo disconneciment de appara es blos seu difeso e Recovery de copies en gosporate un ascospouent es especies en a -XXXXX (1460)21-X3 ---

To rough wydd Tojut

- Χν ζεσωτύτρισα να προμθήσει τον κάπο το καιά ότα το άφο του Φύπραι Μεσονέλη, μπορέτο να χρησιμοπορίε να δόηχε Cittud agest yet by incharge with the

Αποσύρτε το θηκέρι εδογμήζα και τον αξόκα του κένου μαιριό από το άκρε του Φέτρου. Εποφαίρει ένα σόγμο συρμαθίθθο κτακών διαμέδου του κέττρο ού συλού (με δερο σχής ατος υλή με κυρέα διέρο, ευλοπάτα η χητήση αδηγού συρχατίος κδράζολης. επιελωμής! Πραμθήσει το οδηγά αύρφει διάμδους του κοινού και του Φλερου, έχοζ το έκρο του Φέτρου.

Αφού διβαωθίτε ότι το οδηγό σύργο έρχειο σε επαγη ή βασιετο μόνο στο έκου του Φλαμου, προυθήσει τον κώνο πουστα το άδηγό σύρμε στο διφοπόν Φίλησαν

Прамяния во Аусяр, спосущей стоящим на концрания общуще, по числе начинало за окранае Острои. Автоскую в го οδηνό σύρμο μισο στον άξανε τον ωλητήρο

Σονεχάτω την αποσύφου του Φθαρου έπως πυριγράφεια ότα βεμία 16.

Καθ. Φύγρο Αντονίκη περέχεται προ ισποθετιχώνο στο συλύγια φύλοξης του Ικαθι Φίνερα Αντονίκη έναι απέρα και μη περοπορικό εράκου η ομποιμορίο του ότη έχει συστική μυσυσκέψμος και έναι έπορο να γρησημοτορία με μένου από αυλέγια, φύλαξης τοι το ολοτημο απολειδέμωσης είναι προσυποριολογιμένο. Αυτα φύτρα αξέλδε σακυσιώς μην αυχώρήσετα να на для видтросперейских д ма то станополия вижения виж.

Гарийское Віста во урбале, на симона паровірнять нам Філаро... Яверомор са малинис в соривующих фила, на от βούνεγεύ κλέους. Ο χεφορίας του η τεφορική τους η εξειοινο γύρτοι το σύγουνα με την οτεδικτή στρική και τους σχώντες Σουνικής πουτικουίς και αγοσκουδιακτές βοθύς κάρους να καποικημούς

- Το Φίλημο Μονευνατή θα προτικό να φαλάστα να τα δροσφά (λερχουρώνου δαφατίου) ξημά χώρα.

Η θανα εγγυέτα στον αρχικά αγοραστή του προϊόντες αυτού ότι το προϊόν είναι απωλλεχτένα ελαπιμέτων, όσος αρφού τα μίνα να την καιορικτής για περέρδα ενός έπους από την ημερομένα της πρώτης αγώρες. Η έκταπη της ευθόνης μπά έτην περιπρισμένη στοή εγγόγοη περιορίζεται στην επουτεκή ή αντυακόστρος του εξαπεριστικού προύσνος, κατά της σπουλευτική ερίση της Εργά (ι ένο ανολούς Κογούς 'σ τραιμήτεια του κολήτουσ οι για ιβιολούς τις αροφούς επισή ε είν τι ποτόταξε με τορετό", σ'ης τιαι κυκτρήφου. Η υπόσιός τις έπλολεχεί συλήτου (σε τιαιήτιε επισήτους αφορέ γιαν

TTO METPO TOY ETTPETETALATO DEVIDOYOTA MOMORENA, H. CEPSCETNERALAYTH ETTYHTH YDOKAS ETA KAGE AANA SITYMER, PATRA HISMOHPH, SYAMBAPARUBANYYEHAT, AANA YORKS MA DEPHORPETAL MOHO SE AYOR, KALKASE <u>enderno estymbro entrofeyo dicon das alkatakvaroskoskos sir ena syskekpareko okoro, a bussikski</u> KI H ÓVÆRÐA ÓF ÐIÐ MYÐFIRYÐÐI YÐIR ZÐIMHG ZÐIMÐREFÐIR KÆÐAKYT AF HEMBYÐ KUÐALYÐ LÐIMBANANA. YEAR TO TEOLOGY TO THE TOTAL TO THE TAX

de apoprim greindrade des entroleres a récisen non épisonon représent le discret sur lugidos é especialment dip Είναι δυνατών να έχετα περαπέρω δικανόμπος αύμφωνο με τη νοφαθεσίο της χώρος πούτνους σος

Ήμηρομηνίο Ένδοκης Επιστροπίσης Δικέββριός ΖΙΙΙΟ

Σε εκερίτεωση, που έχωνν περάλθων ηθία ένη ένευμασα καγν ημέρω ηνία αυτή και το χρόνιο χαήσης του πράδωτας, α χρή ένης θά νρίες να ητικονινήσει με την Ο. Η. Παιά για να διατιοπίσει τους πόσον όνας διαθορίες επισμέσθετες πληροφορίες αναφορικό LET TO MISSION.

Band, Recovery, vol. Recovery Cone this organic interestinating C. A. Earth No. 4 distributions translate. Artikipan Eugenergyist, ong h III.A. A.P.O. 1688 og 0,240.026. Artiginern i Allie Arthigusta Expensis, dog Copyright \$2503, C. R. Bard, Inc. Με απορίλαξη παιπός δινακύριστο. Ει πιπώθηκε απος Η.Π.Α.

Bellingpapia

ACR, Standard For The Performance Of Percepture our Personnent Indexor Venc Cava (IVC) Feter Flecture at For The Prevention Of Pulmynary Embolism - \$000 (Res. 12), Exective \$1,01761.

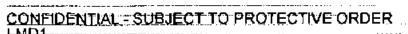
Bard Peripheral Yescular, Inc. एक हैन्द्र श्रीवर्ध

HRA.

THA:	1-480-894-9515
	1-800-321-4354
ወኔች	1:480:955:7362 .
	1-800-443-5376

Εξουσιοδοτημένος Αντιπρόσωπος για τον ΕΟΧ: , Bard Limbed

Crawley, UK



Recovery® Filter-system til brug i vena cava



Brugerinformationer

For a grig- I herokald til amerikansk tov (LISA) må denne avsettring kun stalges af eller ordinares af en læge.

covery Fiberet odgo, es ny generabycet verous eparteur ochrojet, som et sofrikkt frat fordbygg, krygen bok. Accovery Filterets withlie design og maleriale giver en gjernende Hummgoddekl og bladen perkulan placerng med et menmutmal åt dioristy problemer var et standard anglografie de fingsauteter med anjektiverdig dameter på 7 Fr. Praceongsproceduren er hydig og enhet

Det temossie sen er beregnet is hemioning gennem et 48 cm pagiciste ordinates abdet mod en individir. på 7 kt. vo en flekabel nemiskenste magnisk. En paget vi enden af tråden er borognet til at abdette på filleteta blee, og et begræd med ett et beregnet Biz holde fägnets ben og vende den leglig. Dasse dete fastholder filteret iz kennlockrypt åden, mens den foren fikerel frem mes apdam forest. 15 den datale ende af katelerel, der er placeret under den mederale renade varre, Når filtereta apida nammer alg spalson al indomingstatebook, salder blire placeet motion de realigentate markorer pê rediremgetateleet. Indomigesalmeret ug reducing sombogen play hos decesors labogs, på framoningstradens gred for at halfatet ud af halfatet, og highat, knie kes af det ka generale en opmisel gellera. Cere en gazyeurunga: od nades a loke Recovery Fisces ud så Riterapiteen er centre et og

Recovery Fixerel et beregtet if a "impere som permanest litter. Han dat er kinist indiceret, kan Amouvery I deset udages <u>pokulart eten nigitatal og i herbiotist den velletting der er såvel inder Sæiskill Udtagningsproordine. Meconom fillereta</u> eusikke linger gar, at fan de hohoworse't, og hæyneke migroben, men deformenes diaglisk, gilt fikmet henses perkutant. (\$4 \$20skir Udlagringspropodure for specifik udlagringsvelkedning).

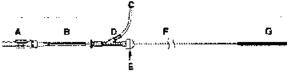
tilliskengasbot. Receiving fular metamatat in tillilad hod og hankan pånnkar elampikuskas af brugen af en blifikankas.

8. Destribuite al ancretango

Récolary transysteme besons succes by intrologicystems. Recolory i hard bottle of tax comparède med formula princise, de sissae us al en centralistralistation Dissetter in Stationer to no record a libraring at emboli. Benene usqui del luxede Till enigenness, og armene det oversle laberingsforelab. Hiddividy arthicl di bovegnet labelig i vena cavo med diameli e på op Kil

Recovery Effect recordings passed or Electronic plantage in Industry payment beath at all industry states og distator trad en nda da pt 111, Recovery Efford, et opprennings er med en inhavassport blastvard og at her frangstystem. Recovery Effertal et pilika i politisk filand i industrypsporter gatero.

Figur A. Hecovery Filters yetem



- INDFORMACHATETER
 FLIEROPESVARINGSROR
 SALTINGS

- WITHOU FREMFORINGSTRÅD LUBYERRAN TOURVECKSTRÅD COERTIK FREMFORINGSTRÅD COERTIK FREMFORINGSTRÅD

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Putmonal tremboemboli, butr untacagatuse er kontrandiceret.

Sygonge artikragulat orabehanding for Pombe ormod-backer.

Kortechanoli con educações hacases profit, hom se formente de la piede verificações habanoliste, es bações

Kennesi, filosoprendende hangeamboli, hvor antikongoliebansbehandrogan hat großell eine er kontrandionret

rfregorieg Forgrage vanages einer de kristradionel, der anglyes redonation de under aller blei rvæliket Tsekskif, priodellig e for interestations

C. Kontrainchaboner for brug

FORSIGTIG: Hvis d'un korrigarade dismeter for verse rave (IVC) overstiger 28 ram, má tiltaret fiche indsættes i fVC.

very Fiteret må like implacteres has:

Gravita patientes sia factorito i numb lago lostosa i fort. For fele ogazienpes por noje a vejes.

Padages med en vara gyva diameter på med end 26 mm.

Pedenter med rasks for septal, analytic

Recovery Filter employeedor.

- marke bakks und her dat placeses honeful vena cova (MC) da Recovery Ritaret little med sekkerhed kan begges bitrage i
- -Placento of Recovery Piberal centrals individual limit for Not the Consultance Terrury. Temperaturing a म्बारिकारपुरसञ्ज्ञास्य क्रा वीक्षणकर्मकराम् एकः महिन्द्रमञ्ज्ञास्य कार्यस्य भारत दे कार्य करते हैं जाता है जा है ज

- Recovery Filor-systematical live, bacognet to tempote adjects for even ording **Recovery** Filor og Reducings agestem ti superius adjestig portad populato substituta et er anticolokito), da deste vil mediene, il **Recovery** Filoret kummen til at vande halten i
- His der perses sone thember på det op nodstigt procest gastet må man tiller seget at piscere fillest at demaine, Fortag at piscere händt at de soden het is 4,50 tillender kan passeres med gastevære og notizonen.
- Brug kun Accovery Come^a Flemoval System; diudizgining et Accovery Fliceret. Et udaggel ibre må extra placeres sym.
- For addig gardeviron electindo regulatement d'aractembren eller piscès filteres ademicatement la barrol

- r. Til Försög i lög at hjerne harbonery i tiberet, hværder er ersomet betydenge mad gjornet flykning i fokkringetet bins hollspræde er enfiquel i cana cavas væg.
- Biug van Berd Recovery Code Removal system (pathiot separat) is ustagning at Recovery France. Amendebe all studie and onlings in a contract hipage, endende hingsembil.

F. Foreignghedal cumunitatinger

- Implantating of Recovery Filterel -Filest stat places i septembly postor heary svide to activities in the brinding of site.
- And compare frontient glader has harmoners and every og passering at his eld. Has det ha væjedning maje folges, kalt i halle in größen bis habes, og annehming heiden for sendle hat bedaum 25.
- Spirate determational Deter vigget at ustrise kasytignes, riti men overvejer at instances has potente med a grifikants oskokoloke apinolokomences. Isodi vena osra interiori kar roge sästarno anklomesia detornot toers generolo toren. Defeikar ydengere vorskelggere partiaten udlögting of filleld.

Udiagning at Recovery Ellerol

- Anatomisks fresheiligheder kas romplicate indiaung og pacerng af Parcetery Cone Removal Byston. Historicas haptening neje leiges, kan melaragssaten fertentes, og samtsjeligheder for problemer reducere
- Sprace distinctions. On anyogs at usinse lauguages man overview at home Recovery fallowing Recovery Come Flemasiai System has polienter risea agriciaents kytoskonoktika spinolautomizziones, fara varia costa interes kan falgo audame avaronatio deformationers gane elle fistion. Dans Lan lutevis scorce ede tetrità et foi at fismo facret

Migrator, of literal. Debetion losks agos of placeing tien for also versions a modern dameter på over 20 tom, eller hiva det

Pederation af vena cura-yayggen. Dette kan forevorene, hvis der fåke anvendes korreld inflarmystehall. Outlus on all ver a casa. Sanday eigheder for les daire forekunners, aich govejes mild bet med abgrede forfinet metern. Nationologie for en gabern, der er udsatt for en ungeembet, aller som sandsynligtes till optiver fielle. Med der enne grade ad

Toigrace uddyn a motrocog for arrendeser

- Pl Recovery Filler og Indhoungsutstyr, statt måstyldist.
- ··· En 48 an tra est e escolore moi 7 fr. na da .co **chibbros**i:
- -Er opbersungster med Indiag Recovery Filter og indennigssysten
- -0.000 Since Contraction medical design 140 or after track

- -Sail latença singe li selección par de attinización.
- والمرافقة والمستخلف ومستحدث فيناورا المراوية والمستحدث والمستحدث فالمنصاب ومحور فالمستحدث
- -Direction ignises bestärrete all en C.C.C. I man guide one med J. darks, individuals ample en 11 de par og 10-ar sprope fas fra G. R. Baid, katalogrammas 40006.

Kins began vizige as ustage Recovery Piscost perfector the Recovery Cone Removal System Ass C.A. Band, Inc.

I Brugarieraning

bellering at det 7 fr. Indonegationer og presimerate verlegsaf

- York on egypt lamons surprige to spilan hope show version side, allhangay of potentions standed that it worth, o'ungless preferences they place enter a variety typicose
- Klargor, aldesk og annestetses hudpunklanderer int standald
- Vælg og åben fillespalningen. Åben KriA hilfledingskældespalningen
- Fixelig et mäski i tuten med et nr. 11 alas og forelig venepunkte med en. 18 guige indologieum/le
 - <u>kr gjördseven end kepise og lar den lærigdigt bræklan det de wæn esen ell</u>

BENDERA, Hyle der modes produktingt under en fenomal kriff in ingags werden, trædden guid kontrolleren Neuwyckwylak mied er Hille Infektron al kontrastmediaru. Hvis der pärkses en stor thrombe, fjernen venspunk burdiers ou de l'arange met veran i modest side. En ille du uniteriten passe es med guideniens ou indonere

it jern verhegunt bit waten over gundenmen med Jispon. Har det 7 Hr. indlann gekabter sammen med den könisk didlatikk ind i over guidows en og mit i den distyle viena opra efter vene stata

BEBLEPK: Inclicingstatrized har rengentaste markerer som hjerlp med ränsminning og forud-placering af filteret. De rengjenhaste foarberinger på indforingstatisteret utgør en "target" placering, hvertrættern blisen uttaj placeres, lign for

f yan geldensen og dilassoren og afterlagtir dagingskatyteret med apidam i den datate yang avva eller veta kott. Skyl tæd mekennen manuelt eller Masst en konstant andranssonkisken til Latertenst tot at bevare andloringskaldstenst äbning.

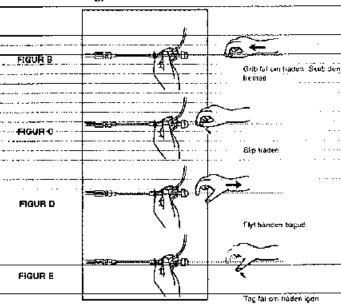
BELLERK: India ingulateixels midwelykho har en speciel indrendig opbygning. Sing for al feetings seminger fact, men ersister, som han medlem trud på midlerstyldet.

- Foreign et standard vera sava inferior veriogram (bypsk 30 millionbastræske med 15 milset). Check for financie i veno cava, placaringe y of roman venor og mediode anomalie. Væg det optmåle naveau for titleplacering og mål WC diameter so take the homogeness for fore arrelise (typick 20 pricont)
- f er indomigskaletere trem til det velgte mæss under fluotostegest kontrol. Guiden nen og åletstoren par gentadøres lar at let e diete. Ved lemoral motomig akal kotelera potava være 1 om tinder den næterste samba være.
- Figure totals and and an agreement for Kill B.
- Tresist on 500 milipasso med seltizent til adaptaten på Y-adapteren med et storrasis inteskrisasset. Lad seltkanssantiskrisen bok on tring literet i opbevoringstoret i 5 sekunder for st bloogsre det for passage germats indialingstallateret. Justial indiologisassel ku azgive en hing interprogramatighen. Telapend Telap-Dock adapter et also for all novine e thoughout af a sevand, then lak der, is he så meget, at indicatingsträden able kan fores för here.
 - HF. Det er ungget nigtigt at bevære insfuringshætete ete likeling med selfvændegen etembefeligt, at det riftede engment, der holder filterbornene og songer for, at de vender rigbigt, like lyfden med dista, Order vå giste ind i

Case 2:15-md-02641-DGC - Document 8375-1 Filed 10/23/17 Page 151 of 161

12 Fastgan der his ends af filmugdens ingernet diede blindleitigskaltenet, som oderede legger i norm, så sahvæntafrikanen fan ske mine nati hill i mage få søkunder, heddiningskalderet og filmindsvingssystemet skallholder på er lige tilgt follat en innere triklande.

Filterfremføring, Illustreret



28 Franto Incret 100 of beronge viradicateringurada hemoter german in Soringalatina in al Riccol Intel hemote the different format of the different format format of the different format for the different format of the d

FikerFigerebe/placering

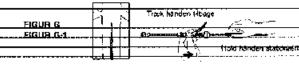
- 15 in facet og Figor Blere, som baskrevel nedenfor.
 - Figur Fr Hold East i malaningsträdens godu

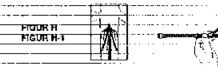
Fig. 1-1. Telus post-orace i endrungskalatetel mellom de lortgorfatte markone har placeting i NC-BENJERN: Placet little Fillaret ved at alautbo det farbi endan at indfordigskalatetet. Trak i sædet kateloest af det stationare Traci net at vække tild ofregjolutete at fillangs som lægdered mellorfat.

Filterfrigørelse, illustreret

FIGUA F FIGUA F:1







Frigor on Fibers, and at breaks bateloral at dat LIVC som telger.

Placer Attenuations I are under decreased at the levels when

Figur G. Hold dan and hind stationant og brig den anden bli at tratike Yactapturen og apteværngererer holt sittege over grebet, så filterer alderbies og intgress.

Figure Grit: Edgeress at Filteren I NG

Figure Ht Harmosynos pleasing vod dlarvingen at allockiningsprocesses.

Figure Hitt Filterer process (I/C.

- १६ ीरमर्थ तम गाउँका महुदेशका क्षेत्र कुर व्यक्ति राजा दुव करने अंदे वो अर्थक दिवत । भव विद्यास्त व्यक्ति सम्बद्धिया कु विदेश स्पृतिस्था कु कहरी है । स्पृतिस्था विद्यास्त विद्यास वि
- $W_{\rm c}$. Becoming the intermittents solver describing electronistic dypotitions for at better materialistic strong

Optistornote Vanacavogram

- *8 Der kan kinatoges er opfröger og venocovegram eller, så miljonnigskotelenet er trukkel bisegt i vene fusta flypes. Si miljonnigskotelenet er trukkel bisegt i vene fusta flypes. Si miljonnigskotelenet er trukkel bisegt i vene fusta flypes. Si miljonnigskotelenet er trukkel bisegt i vene fusta flypes. Si miljonnigskotelenet er trukkel bisegt i vene fusta flypes. Si miljonnigskotelenet er trukkel bisegt i vene fusta flypes. Si miljonnigskotelenet er trukkel bisegt i vene fusta flypes. Si miljonnigskotelenet er trukkel bisegt i vene fusta flypes. Si miljonnigskotelenet er trukkel bisegt i vene fusta flypes.
- SD --- Frjest mykolindstratiet ad displacing ingulatier of protection over langering of geograpic are party of observe party pro-

SJERSKUT PROCEDURE FOR RUTERIOTACHING:

Uctagning at Recovery Filteret

FORSICTIG: Del antictalos strenkt, at udlagning at Recovery Filteret liun foretages med Recovery Cone.

Hadversist udstyr

f placede utstyr er nedvendat for er-reintelsen

- [! Payoret: Conc Remotal Graty mochalisers...
- - En Yorkgrie med Resovery Cone og akkeningsskulturrsyden:
 - 0/28° 3 mm guos-vire met Janua: 110 mm et er tempere.
 - :Bgxgo.ndaing.kar/c
 - ▼ = ··· =12 Ft-9talelor-¥1 = ··· = 53% 317
 - Steir for engusturge at salban det sategyming et er aproje. Il sategy des on
 - . Also grand appendix on tracker his exceptantive Shobel mader, it and lokely notation, of grand progresses also

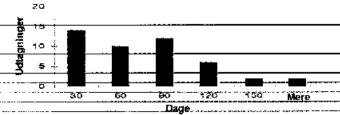
Třeick admino

Haconey filmer et tiene frank filmend i Canadini et acket first er og di koheget på seks haspitake i Torollo caradet på St Toxogaperatie under beskriverbenne for Geelly adgrag

Sevi om och i his essägen i karka en läge, der abvende anträngen, med uttagrungen forelägget हो he länger med lausiksigt अञ्चारमास्त्रक हरण्यतास्य पट्ट पटि स्टब्स्टर्सम्बद्धाः

Od at de 56 implaint each tine is in 46 unages, 5 et bet et indoende, ing 4 patiente et dade med inspat title at disages, som ble havde pagent etson 11 hibe cosserving etch indrayring Houterns, cancer polyeterinto og pulmannt rapregtiose og binderate slagifikation. Tild a udlagring artist ker og his 1 at 161 dags, genoemantigt 60 dage (se histogran).

Tid til udlagning



Opfeigners effer udlagsing hat germen-

andig legal på 305 dags, (dischterid: sig to 1—301 daget the hoste (n-18) blev vid agd vid den hope vers profess miene, men noge vid vars legals simme intel og an bedate å vers (mint). En her sodega delugisk soder et cancerpopiske, her mission vithese varimende på histori. Det ometover, det en bedreved i Drugs verkelanges, vider meneret i en vida ge hist et stell Historie med undagsdar af 1-host der blev zimmed en statte abreds vider dat ag pas attravtid her styrige i stredet for at schrende

Dananeser gogesele thekeing var en bukaren liebert big kige Deceller van procept bleimat iso en gronz kande. En krovele blink per på chevol (142 Holdver mentes il voleren bige il bleichniger på groef blindereg og obsekling Tre mend hallet heldlik leitig i dikkeligt og fickeling il høyer brove krogenes vær, in hele den udaget ovensken.

	rigrembal over
	nisk erlaring
Recovery Fifthe emplantement	58
Perkulare titerucksyninger	45
Krurgiske Blendlagsinger	1 (Star #Sgt med tumoresektion)
Patertions alder	B-82 år (52 år gerstemstå)
Årsag ti	i iliserinda aktring
Kontrain Skarion for anti-coagulation.	G.
Komplicationer i betiedelse med antikosgulaten	13
Antkooguletonssrigt	3
Prol/akse	2
Tid Hartagoing	1-161 days (60 cage genoemsel)
Opinity sing using using using	1-301 dage (525 germennas):
Filterudag	ningskyngel wildgeg
Tehniste	0
Mageirakke som lelga at bakstringer i Judividisse med -	
veering today og fringrensi indsastring	
Asymptoms tak pulmonal embol effor unlagging	1

Procedure ejectory

hollering af indleringskalder

- Vizeg an eignet sitgengsveg vis vens popitaria ventan helpe eller ventativ side, almaniget all palentians alteriate eller enatori laturgrass predictional eller placeringen al ventas bembase.
- 2. Kibiger, distalking americasor sudpunkturatedor off islandord.
- Yarig og åtn. Ærspæry Com Removal Spissen pakkingen. Åtn. Kir. A.
- 4. Ecretag et massa chuara med et nr. 11 blad og fræstig veneparkkur med en 18 grunje nafningskungte.
- 5. Indises guide after og for den kvisightij from til Recovery Ribrer for at tage det ud
- 6 Frem venegarithme bled over Quidowskin
- 7. Pro-dézér de céchése karmed en 12 fr. dézelor.
- . Fel del 10 Fe, store adformationers and invenen partoner med dets konsike districtor no guideoiren

BERLERK-lind wingstanderer har en sorige diest marker i der dietale onder de kracke oder den eem hijzelp ved skuniveren g

- figur guisturinan og dilstjeren og dilstjeren med spisken på det nythete star. Skyl med madernum manute संदर estat en konstan sækna demission til kaleteret for at benate end denga sesarens storing.
- 10 Fording at standard vens cave interior venegram (typica 30 ml knot aut media med 15 ml sei). Roko die for tromber e den by Mari Mais der en algeblande bronde i Maria, må Recovery Fix del Alla homes

Receiving Acrossin during ag placeting	Sand Perlphoral Yescader, Inc.
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Copyright © 2000, C. R. Burd, Inc. Alle nathgreedier to the bolds. Tryloc 1 USA	
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Recovery® Filtersystem för användning i vena cava



Bruksanvisning

Förellägtet: Enlig (reggal log (15)4) tar depen aportreing ordent pålan og lakore plet på läkeres (dr<u>eidn</u>ing

Recursery first representerer earny generator en vervious avis disponsibilityen allements for de triumdre langemovin Recovery He ets units estambing och material gen en utdekt filmen gestlekted van möjliggis perhotes placeting genom en organgefals alt oduanstrati en skinskriftyp med messilemeten i i fras i minnatap sveingholder hat punkts enstaller. Placestopklateten i ge

Den famikala uppsätningen är utformad för at löves in genom dess introducerksseter på 40 cm, makstudnetet 7 F, mod hyllp äv en höjig pusker höd et körnö. En "kudder" vid ledatens ånds är konstruored sollatt dan för på ktorspetten och ett lätter segmen ar konstruend för att häll krim och overheip fällets "Ten" på rått sått. Desse Lon properter såtom filt et vid pusher til den medah. den für in filtet, med soetsen fürst, tilt lastetene dissible ände, som de polifionerad under den medenste riphvenen. Når filt die speissárragi segustásas, pá miroda polazieram kommar filfref ati vara postávarea; melkor advolaciontalejama riodomifala maritácion iliraka dikendiomentakan seh bini mitaka Ulbaki ban pada dikatasa hindeg si 20 bina dan katal See an cet. Und Par Bislappas och dämnet Stergå til sin förutbastända form. Centre ngasystemat giv att Recovery Ette kan hallappas med ovet: erad Nierspels not hardrar att Mitets ben Norsas

flecowery filtet is ulturnet for all forgers som et permonent iden. Na det is klipiskt is due at kan flecovery föret sylligunas ge kylent eta majantakan i enighet med amoningama umpe "Aterica", metautiai at avitigara fitrat", Recevery Bireta etiatia Priver givent libert han bir kli dynt not enniklå megastren men det ennere, råssekt niv i best seliga vas perkutant. Ste liktere ku met ett set sektypere libert sog binde agredika annen nya ter hartagrang).

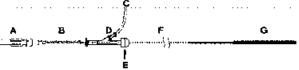
منعات و محاديثور به في سرم أم يهونون بنوه المدانية (1514 غ الحدود وي بعث ومعرضية المشاورية 1514).

8. Sestruming an anunthingen

Reportery literayatemet består gir lite di och taratrayatemet. Her metry littet bestär er bolv intanzirlätti med forfinnasse som utgå Fen et cerbe nich einzwechen Desse las Basin blab Weinn der au einbetführeinig benen blittender Wei den Bigetf t eurganikh och strait a den över fölle algandan. Mocoveryfildet är kvalt att anvälstast vera sam med en sameta gårnja fil

Baranystered till Bacovery-Hara vass. I Figur A. Baranysternet bossår av anur troducersteten med er, monderneter på 7 F och en distator. Recovery titral, eti lioneringario mod inkuoveoportilio rokunkiorini 3 sand eti puster system. Recovery kihat iz lia padzi liidgistdii lävoingsiõiel

Figur A; Recovery-fiftersystem



- Untroduceraateter Roa for Literoraaring Infugensett for Koksaltlochingsdropp Sigfor?
- JUSTERBAR TOURY-BORST-ADAPTER
- G. NAMOTAG TILL PUGHER TRAD.
- Vinitial 1866 ar Profilegorius hago vinten do Sonos assvando Recovery. West

Recovery Titlersystemet de exsetil att amfärdstills still Töllhråra bledkommundt blingerhölf vialpeitnavett piscentig i kesta catet i Mijor Salada Salada in ee

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FORSIKTIGHET: Om den kurngemde inte diemetern hos veris cave interior överstiger 29 mm får filbret inte fores in i denne ven.

Rocovery-filtret stati into imptantoras I:

Gravida patjeriler në i Bur qëshqo kan pisikta fushet ët i lara. Rësher qoh nytla ndigte be durasi qoga.

Parietter med attms vens dava-diametra: ån 26 mm Patientet sam kiper tisk als lie septisk embot.

Implantation as Recovery-Filtret

- litted men det har fall koneld position i very der a mileriot, ettersom Recovery dittet ode lens litter in i finnsengsstret get

- Recovery-titleto, stemel is endatt urbinnat for at lagges in terrorial. As vised along Recovery-little con bishary stomet for title programs (some ugustris, substanti eller lastourbish) ettera om data feder bl. nit. Recovery-littet for i detalg, midmag
- On del pássos en del trans violas trásta integrangaciale, una é atriora leve gymen de fini ya et lagge en front va et annak state. Dien gist einen soft ab gå hörsk en liten framfolmed ledeke och estreduser.
- Arvina endasi Resonany Consi usogarystem (5: sei subigone Respony Ette). Pratópp aking et arléganz filter på mit
- Lectured else monoduces side with all allers for althing for as in each force for althing field appear uses range daying forces for

- 1. Transfelle in Necessay River on Telyserde honomargue Testrick flat eller om telengelsen er jobboke i Vegger på Til
- Bright endus Earth libagssystem Recovery Contributorias sepalaty for 21 antigena Recovery Each Amanthing a and a workings for let ha recidirerande Lugemboli.

f_f.icsUbghetamiti....

शैंडक्टन विक्रों हेक्सा क्रमुनन करके पृथ्कीया स्तुपने कुक्कि kurera rota विक्रों स्थापक है, " " " " " " " " " "

- Ahigoussia varialisme kan likuwu a mering sish lisalagarang an Muel. Om man loker bessa Antuningur noga kan dal Tokkita हार्विक पुरुष्टिकोग राज्ये नाराज्येन इक्ष्मकार विकास है। अर्था पुरुष्टिक
- Spikale distarmeter. Det är viktig att sam töraktig sår max övetvinger (molantation på patierder med hatyslande Sydoskolios dekumater i ryggraden etteruan venc dara of ehot kan följa samma gegereka niktung som sådara gratomasi a deformatete. Det kan fröves enencerade trämeter för at avläggma fröret.

- 1. Andronasia variation et kan técsybro intéreig soli fristéponing ou **Pouronny Cono vesgo**ayetem. On man téleprotesso e ves ninger negu van det fortods erfolingstiden och svinda sammleber. V medignete
- Spirate delembrier. Det är viksgi en vara försabg når mas överväger att ovrågens. Genomely hare med utagssyssener. Radiovery Corto på personier indel betydunde eylodictionaletet - typpysolen etterscen visto caze mienor last kep samma gartentila filoring som sadana aratomiska odforni der. Det kan krivas avat ostade tekniver för att sylägana filtret,

-Filterragretion. Dotte kein ossakas av att fögel placerats i en vere dava med aftför stor djamety, mod ån filt mm. etter av ast

Particultion av vägget vivana coma. Datta kan uträfta om felaltig införingstrände soväete.

-Octionien av vena cava. Samovicheren för att detta sva inhöfa måste vägas mot der innebberde förhaltandet resom_stts kör en pahant som fått kingembok, eller som saptioke kommer till 16 det em inget ingreppigtes

Callande strashing behivar

B) Recovery libe: och båra system stat medaller.

- र्केत 🕊 em animosucer med amarakamaram 💝 ने बर्जा की सीवोध प्रकार -
- Sit November and Nebrick Recovery file of posture green

9,038" ledge med 3 pan Josets, 140 on Engleter Brane -

TE gauge punktionen it

Sient Sollangungsstang for talks afteropp eter masten.

ancan'itra esperation, stables, inarctes or 11, schalbed transported si, operationaliside, must

-Chipan Historia i bestiende avien 00% ledare ined a itan Japan, pinalianensi, diebpet will och epida på 10 da 1999, Signsyr Ican perial as Into C. H. Bard, arthographing 4000E

On Awards väljet all avlägeta Recovery-Hillet populati kan Recovery Cone ukagesysient bodišlas fråt C. R. Bard, Inc.

Inflation as 7.5 introduces treated confidence and areas and

- Yálj en lámpilg mgjingsjág i fernovalskeren lamngan pá hógar eller vánster sitti, betverde pá potentens statak non anato m, divisors preferencer efor ver combination effet.
- Forbered diagram och bestova stället for hudpunktionen på vedertaget sätt
- Väljisst, kgona fiterläspaduengen. Oppna sals Arlötpsökningen som hindhäser inholkstervisteren
- Saits haden med at aliabethisa mit 1 och Æår versvellärer med en 18 gauge punktorsmål
- Steer in lectures made Limites with the Merkelot by the Lidan Article was a cover at an area to be

085: Outpan संस्था क्रिक्स के अर्था के अर्थ का अर्थ का अर्थ कुल अर्थ के अर्थ के अर्थ का अर्थ के अ resens duces het flore cakestakt med en kom injektion kuntrastrædet. Om en ater tromb povisas, te bort ver providen ander och försäknust verum an motuatis akting flet där evertuelli att at förbi en literationnbysact ledare och introducer.

Avsgass verguniktionsmillen cold ledater ened Jepels For in 7 F in Soduciel Medium (in med description ode disable) over Sedauen och at i distola viena deva effet viena stada.

OBS! Introducerkatelsom har röttigertide madköret som gör det låtjare att se den och underfattar positionering av filtret htre instappning. De rörtgentäta markörerna på introducerkaletern idgok "mål" mellan vilka hitret ska positionena strati innan skidan akalas av och kralippningen.

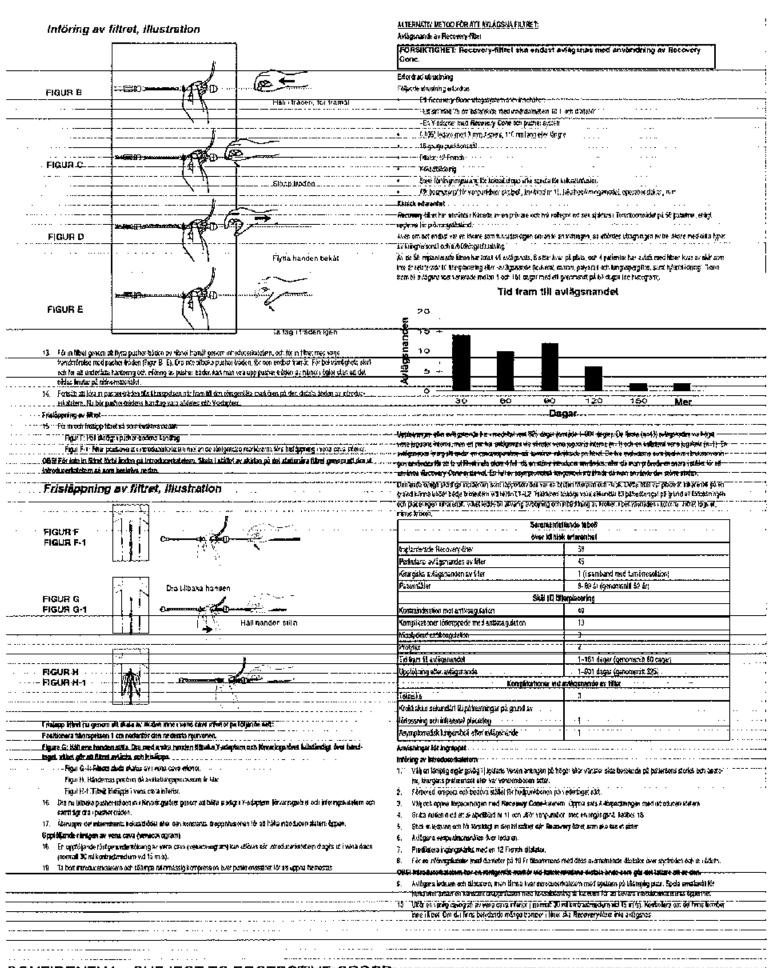
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OB61 introduced at thems lattering has an operall save attorneing. For negation att at new it isopprograms and teen ta into i så roycist att fattri ngan går söndar. 🕟

- UBA or young cavografi ov vera cava streets (normal) 30 ml kore accredium nid 15 miles). Kenguliasa om det stud kompon : vers cova, njuvenemas läge och med bilde missbedningar. Vili, opienal nivž Korfiterplacering och mit diameters i vene esva infesor, med förstaringskomhluon (normali 20 %).
- För in whodycertaleter; ¢F den etraktu svån under Norsskopak kontrol. För att underlätts detta skaledaren och distatom Föras snigen. Vid införing fermoralt skis intreducerkaleterna spels ligga 1 cm nedataför den nedersta njurrenen.
- Táict feiret och bäversystemet hän sitts B.
- Answillen 800 mir påse med knissällåsning till alsporten på Yra fajtern ned ett vanligt avsikk droppmission. Lät knissätsin filsiehen Midda nurs feit en Horvastingsröret. Die seitunder ab auf det mychaus upp indör passagen genom introducerkabstern. Austera inhalistaseae hit en ar 200 dropphassighet. Dat iff versiten i Touty Borst-adaptets för att morreen tetus av kolsautbassing, tra es hat all guesco bados rolo kan librae in hit.

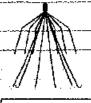
OBS! Det är mycket viktigt att hålle introducentatetern åppon med toksattilddet et att del räthade segmentat som käller meh rither de feiter bernere på rått nått frår tållan med bessyet. Dette talent pri tilstäppninger av tilbet,

17. Fäst den fra änder, tid Martinosonaghra direkt vid eitrodusaksieren som reden finns i vienen vältet div 27 kekssteriksississier kan Mida in Ivana dava interiori nagra sefunder. Histrianoduperhaderen och Thedokransystemet i en mill frije tör at midanara:



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Till Martigate kompensation en its legisma i Terr talestatide taind. Withingone vilgot ergotation i 2009 Om the skulle ha get of a region deep celum och produktenvinnvegen för använderer, konsiste Bard för ett höre, elber om yttufigate produktionnation til konnati Bard. Ancompy, och Recovery Cone in invergiat ende varundnen som tilhör. C. R. Bard, inc. elker en til dam antwater tilmedase, USA passon in 5 000 14th een 6 258 tatt. Andra patentaktion par tilhör. C. R. Bard, inc. elker en til dam antwater tilmedase, USA passon in 5 000 14th een 6 258 tatt. Andra patentaktion par tilhör. C. R. Bard, inc. elker en til dam antwater tilmedase, USA passon in 5 000 14th een 6 258 tatt. Andra patentaktion par tilhör. C. R. Bard, inc. elker en til dam antwater tilmedase, USA passon in 5 000 14th een 6 258 tatt. Andra patentaktion par tilhör. C. R. Bard, inc. elker en til dam antwater tilmedase, USA passon in 5 000 14th een 6 258 tatt. Andra patentaktion par tilhör. C. R. Bard, inc. elker en til dam antwater tilmedase, USA passon in 5 000 14th een 6 258 tatt. Andra patentaktion par tilhör. C. R. Bard, inc. elker en til dam antwater tilmedase, USA passon in 5 000 14th een 6 258 tatt. Andra patentaktion par tilhör. C. R. Bard, inc. elker en til dam antwater tilmedase, USA passon in 5 000 14th een 6 258 tatt. Andra patentaktion par tilhör. USA passon in 5 000 14th een 6 258 tatt. USA passon in 5 000 14th een 6 258 tatt. USA passon in 5 000 14th een 6 258 tatt. USA passon in 5 000 14th een 6 258 tatt. USA passon in 5 000 14th een 6 258 tatt. USA passon in 5 000 14th een 6 258 tatt. USA passon in 5 000 14th een 6 258 tatt. USA passon in 5 000 14th een 6 258 tatt. USA passon in 5 000 14th een 6 258 tatt. USA passon in 5 000 14th een 6 258 tatt. USA passon in 5 000 14th een 6 258 tatt. USA passon in 5 000 14th een 6 258 tatt. USA passon in 5 000 14th een 6 258 tatt. USA passon in 5 000 14th een 6 258 tatt. USA passon in 5 000 14th een 6 258 tatt. USA passon in 5 000 14th een 6 258 tatt. USA passon in 5 000 14th een 6 258 tatt. US		
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Onttolaskimossa käytettävä Recovery*suodatinjärjestelmä



SUOM

Käyttäohieet

Huormantes: They seeks in kein muhaan tätä tuotetta esa myydä vain lääkät pa lääkäite tekin julestik.

esección estectos incrinarios capiris esciuntivo terinalistajon incuinacente iniciante ante animalmen il factor en curálitica i engtisah nen mengipi pa meleneri samat sikaan etilikn lehakkean toodebaan perhabbilah tripi periudahisan afrikkimae g propyka 7 % z zpapopałceg prośćowejśa końca keutia michałuszcznie kelpcet. Spokustom ropida co nopeż ja ybanketektet

Hemosaksany or tahly kullamenn zahan kudusan 46 cmm prasilispondataan 7 Fm ersähnligin lisp pustamen höndiyötdifti ta vá jelímátú. Jehámen páljadé oteva hyny on szarndehu hjá vlámáán subdistimen körtvé ja uzátsen ésen tarte klásária ék sek dalliner jakujen planeren, a koldista binan. Name os a prävai suotitionen tainn ir činkijotemiessa sen kuljetiessa a audatoria kách ejető, elempán alnman man ardzakunon sáspinkéle aselelun ketetin doktatoem pálálát. Kun suudsünnen kédi übrestyi Jisá knagán pödő, se apelelain pságánegán (kelgimpostávosan merában válm. 7 ámán jáluen asásánnajá ja asamusváánasú sedetakn taknen työnlögörmen kelvason, joksin eurdeikn vappula; u hjaludia ja pasaullak ännutta määritäja muudona Kisskinsjä jessehaln anslossa Recovery suodata vaidaan asetaa sen kärki keskitelyriä, minkä ksäksi se edää suodalämen rakover, e settumusen alstild ån i

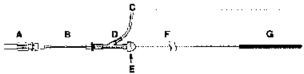
Recovery suctain on behotella tomenaan keeleeutdetmera. Recovery outdehn voidean tervitaisse postaa perlutainise si engly krimin jälkeen kohdassi. Valmanen poistonenolein järjaetlyjen olyeyten myksisesti. Sen jousta sien koulkujen ensises s <u>tupcam pysyvjádkáná gká eje áte sjelymselle, mysz mydodáu javátvasu vlá persátennesh prodetensa. Jázkaz lahlermek</u> pasarasehlee koloasta Valmoaneo prostorieneternä")

Mermantheuredison kernes et formaeres. Recorpty-superior en la vallean kâ glâf enemantheur disirie, a kâ sa hâ tist magnerithuraus intelle, esch engoerfrisch authore raketa saltate.

- 8: Lettern france: -

RIBEONNY SUNSKIR Prinsteinė frontau aukstrimenia je saem uskrjeniem šeti. Recovery aukstri Vikostuii 12 dži mūkūši mindanida vandlavgasti, jaks ord konede põhtikin kinni kodelik olerassa oline (hollisise Veinä 12 leiksin miodistaval 1986 Ellőden szódásásson, Mayeret (p.24) esszél alkarn elemman tegyi szodálakonjá yövintől ásávát Másnylennsky tion scotalusian. Recovery-scotain on leakatata käytetäväksi onkoksekinkasi, jonka läpinete on envitään 20 mm. Recovery-automatic assertius projektis en kovati, luviassi A. Assertius pestetral konstru 7 Fiz sudfaporitais en connectativata p languamenta. Receivery substitutetta, substituteta bearingariata variationata origityapitatasia ja työnlökti potersion. Recovery-serves in or potenti varnido ladentro escriptistecima sidynispiticen.

Figure A. Recovery-succettinjärjestelmä



- CISAANVIEJA SUOJATTRIEN SARVTYSPUTKS
- SUDANTRIBE SALTTEPUNK
 TUPPANERUS OLETNÜ KETTOSUOLAA VARTEN
 SAUPORTTI
 BAARETAVA TUOMY-BORST-SOVITIN
 TYPHOTETSHINGSHOON
 TYOUTOSUORIEN XANVA

TARKEAN Live chipset two stell secul erroren Recovery-coordinates 23/2002.

Racestenystatasahpinjadashtiis kilyastiin kusimunien konkkovesitrippion ohkilayyn adellamaka se gydyfiisti ortioloskiitisko Temparaturan da de la comparatura del comparatura de la comparatura del la comparatura del comparatura del comparatura de la comparatura de la comparatura de la comparatura del comparatura del comparatura del comparatura del comparatura del comparatura del compara

- Keurkombolodar esistymson kun antkaog Avrith alo on torrassassabi
- Anthony artifact el le sea bambora bolscop Linguera.
- H26/americani reschiera i succeptatori (Store, fun printeser bodor el oddato digranuttia).
- Resonnect, Contevest kendiresembalisti, joissa entitrongala Miladir et ale tehormat tai on relata eshaista.
- Recovery-accident voiduen politiki jäyldigisti tohtikkasi "Subanation viis Prantin politionementa" uhtetujet avyestsi

D. Kontraity/Desatiof

IVAROITUS: Jos glacyticles kimon korjettu elektiphritta on yli 28 mm, espektinta ei esa esettee stacomoles idenoca.

ry-cuodricto el una sentan

Rasiama cierde počiale, jes ikovalnice vo varespolitas skieli. Vastst ja hyddy brisi stvojda husbilisesti Foliale, iciden oraclastirson Boosta en de 20 ora-

Feibile, joile or segion embolar vista.

E. Varoitulcant

Recommendation contains on testatus almiksi sõhyyepartiren ga on terholedu kestaldyd üleden. Sandatet nie saa

- Recovery-suspitation culiditations i grantuu seacoughtein taata van exorphia. Työrlöpitaren veleniran sustietasti proposo ov oj nazim nekom na izasvalje se respetujnem si nesimanim nematabova sustanim koja s valika in rev neproposo
- Regovery austatopágostelytő or jeltu van Antocadata azátányerülé vysten. Recovery austakáta ju kastonágágostelytőű euspel osopan vedő száás yiányozor tejkoroden ksota (t. azytána, v subdana la. kyyrástopéki laskotól) síbá mikdel) Recovery out state and sale services standed of money
- den munnstalluran sendenskrindsahdansa tedotaan muni borahi, supetaksia oi eda yriedd viadd aun kipl, vaan darkdadinka sistámient i un volutil di triseste koltdasta. Pieni trunio vortare chi tas chaim, sincila re sistém realtic
- Recovery executations printing in take 45 rds5 as in Recovery Const-point department 3. Point it is executable at each
- <mark>-Olfgångsigerje</mark> på assyrmest de kraftsgjenomer er som bled som sad åd eksemplen, ekkå soledomika mytordens florer dynnetæskelt

Recovery-subdett men poetlammen

All yrilla postno Recovery-supdaint a jos setem or jislinyi huometuv a bombunilistis karije a socrat anakata, izgješnoji orbolasiomen senán a salto.

Kéyal sala Santa Becavery Ecoe. past nágra rört á jenléssadi pre kapitaszta "Remyery Arotherton pristanaszen. Maiden keineldes Ehrad en einerdagen kerhiopenbater mestatuniste.

Receivery existences implantation

- Suudatin nilee atigitas violuaana, nietillä ha mysenyyttä paasa saasta minustaan ylapuoselle (
- Anguminen vaitetu sastaa rekentias suotalimen sisäätysettä ja vapuutamista. Nyotiattahetta turdetisesti tälitä käyttörjetti voidaan tyhertää asetusaksa ja vähentää vaiketkoissi lodensääösyyttä
- Selfarançan epitrarecedurat. On erdan tances neutritas viccerecuto summediaces acercanero petes folipeia en heomaticina kylodicikohelic sebiarargan epamanokearmio, koolo albanbaldakina salatan seksala ritkisisi epiamadakuma. Tamá vo vakeutaa elyofotimen pervitaensia parsamsta.

Recovery-supolithman politicanines

- Americanist polytoperativos as valvescare Recovery Corp -modelibrosofran asotramisto is Mastal Novcobarnato rása käytöenyess huoletisesti voicour lyhenisä castusaitaa ja vähentää vaintoksion loconnillyöstyyttä
- Sefárongan egámuonaskurjat. On tjátjejá jolfa járjásen varjanárat harkátnessa Riscovery sujodalásnen postamista Riscovery Cone-sjois páljassemán akulla polásalla, jolfa in medittástálágfoskolatúsa askálangan epárin odostuma kaska alabanasusumo ya sipinta i**ki**lasson, ar wometon pod kosmutiknor ypecia renoč. T (10ki succeationen postamisnos). vodnam tarvka vpolivojejo jednikolia.

G. Mahdellaet hompBeastiot

ў развітня і шкизаціјані, кайча ў праўная варакцайні звасній звасній звасній праві, окразі окразічнося, оны кратан о प्रदेश गर्यः, द्राः क्रार्यः, स्थाः चित्रस्यकः प्रदेशनाज्ञासः निमान्द्रेशनसंस्थान Consideration servicing performation. Third was republic just the holy and alkein loss a seed that the hold on On design at takes. Tutok sen synt missesti og subleutetting auddanmete metholisess saggyarn hydrer. Leutstoshtig linda saavasta ta ukman suudahnka peril ladan milläisesti saavallis patilya la

जिलास अञ्चलिक इसी रिकार के समाज कर कार कर है कि है है.

Yesi Removed to the state and a description of the second of the second

rica da union, declarata salata da Tibi di elizaria da para ha e misse di

kodelestálního al voletova preveznos, utjebel izařenky ve pasej účacej vytika esty.

न्त्रहरू प्रात्मकारा व प्राप्तिक वर्षे विद्यालया । जन्म वर्षे वर्षे वर्षे वर्षे वर्षे वर्षे वर्षे वर्षे वर्षे

- ili Gin pumbias auta

keltesavediund a

rater in patients and accompanies to the second reasons

Azido lask maguninacez bryttavat perosmatenanti, siden skalpelir, mo 11 terá, paka kepuwana, leftword nat jire apsisinyercearys, passa en 0,035 barran, 3 mm.n J-kännner ohjanvärjen, punktor euto, nie 11 m e-**sepak** ja 10 min. PASSAU, STATEMESTA C.H. BAND (DSD 010 4000.5)

icos läällän päääää parataa Recommy -ruoctallunun parkulaspusiasti, C.K. Rand on saiktavassa Recommy Cone-pousinjänyssielmä

- 7 Par produmencia produncionia di trimonovisti il adolici il venegotioni
- Vaitos sensus terrer asimen sakiamentei aria vastararia la la: eò seta queleta policar hossis la sociamente l'ementicen sucribican karkemásta ba laskmákrákrákrák pontontila a novem
- Valmistele ihom puntaiokohta, aseta selten leitkannilina ja puntura se taveliseen tapaen
- <u> Уліта ў пталіці Авіта пихіктраўню. Аля загол Ангійт проріжня, </u>
- Tre tropo vilto gro til manifesti ja putkoi laskissa 18 Gurpunkianovialk ... 🕟
- Vie sadžin diktārkines obsainvarien ja vie se narovasti distaratsiem orištitaskimoon hij konkataskimoon. 😁

HUGBOUTUS: Jos lamorandata automiriaretirakta kaybattantsa turtuu vestusta, reda ohjekronijada kicknepaks ja larkeista sucrem avol inges lagi pida gidla lidjet toligidhi hividian varjoidnetta. Jos hak allean sixuri is orabi, potala hatdimone da ja yrillä ada administrativa (ciamita purcialia. Plani trombi vicidami chittan chiga nemperiba in aria imministrata.

Peida punktioneula I kärkistä ehjainetijeta pilkin. Vio 7 Fm tipäämisjä sitään yhdessä supermeten kiajestimen kanssa olympia ajana paun distenissen ontohakiracantzi bakkutas dancen

BUOMATUS: Subbroicibesă on rănigerpositivinot medit, jetha paradieral hasotinoanita ja helpetimat ausclationen şalkarkanista ennen aserrusta. Sesarviojin röntgenpositivinel merkit sijalbeval sen akusen yreparliti, johon suodotin en aseintava ennon sen vapauttanista kaletrista asemuskehtaan

Perent ohjanya-jen je torjenten je jaki esskin-riejš prikaljosa sen kir jes obassa deta essesa ostoradijnassa tai suds orossa. Manikole aprikon alam tarkim di surbawasa aksitara jakuna kepainlanan akahamejan aramandan yilipilindakal MUCHAUTUS: Stationicijan kannen skalpacii on erikolamantelita. On varnitoiritana, etzi likernid onat kajasti kiinni, mutta elo en varettava, ettel Balliron voierarkiyeté elve kartaa.

- Ree examinización son lave in ou incorrection consistent de la procesa d Parkasta kotikulasianon hombit, munusestasiumaden erjanti pi kongenilasikoni enomptoli. Valtae etiohibmet opto ağılındı genetiya alacıdı estiyada ettirindi e
- миссепасусую своей первых и польсью выбрания от проворы станувания померы сырхиментом бурования в У mraasista xistlissionteeliik käytellissoot avaikseisjin käyin tulooniis 1 ota alismon muutaistastemm aiguselela
- Yladadi 500 men kedaaraha saapasa Yramitenan arapodetii tavaraada ippaddata delikutu. Aliisi talka astaratilase merate sanyapaputusasa utevan saudatimen yinganta witeri karumin apar, jaan se pentilenen sasidaknajan taji tuljetaanista сете. Saldo убраждура физ порека органа изпек, кога Тоску Висс вознает патих, рев веспасовност в

HUCULASTUS: On mittäin tintoisi pitää stoisimmisi syvinnys keittossatallamahuutheksa syvillä, jotka mandallimen jalkoja pitiva ja ne suurdaava urallanan osa e, hyydy umpoen. Tämä haittaa suodaitimen asomusta

Kenntiá sucitati men sie gyaputkat vapsa pák suman augmasa niernati ankinnopján ja annakelitosusiatusi ser vetata akontokalambon turalorum selem ni ajan. Sašānvejā ja surcoljanoj rasenujā patelnēj on pidatāvā suorajas lagasja

Suodattimen kuljettaminen eteenpäin, kuvat

KUVAR KLIVA D Si trá káttá toaksepán KUVA E

.चे [—]गीव बक्राज्यामाञ्च समस्यकृतीय दुवाल्यागर्थात गाउँभवद्वार अक्षांसङ्ख्या गुध्यप्रदेवाचीका हंडलिक्संत्रीत स्वत енен рат уулгарабын үни өзөөс өтөгүрөн килгалдалган ай баласа (пила С-E). Туулгарын ас а аан менен таамардаг, isti eri Viteri Van etkonota Tyomo oran wetaan lästioya ja sastevas on helpotemaska kääne saavitata masa, että 18603638865772839

Jaka työ köja timas työrkämesä etekspion, kunnes suudatimes kirki asetuu ossiän nejän destalaidessä olevan törtyiripratitives markin kar date. Tassa vaineessa työni hohtunen kahtan tuku olib Y-soviti mon kohdella.

Supdatilmen varpubusässetus

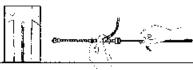
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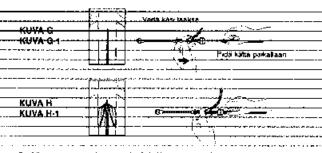
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Kwa 6.4 Swebitmen yapautomnen alamikotasismeen

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SHODATTRAGA VALIMYAINEN POISTOURNETELMA:

Recovery specials mean points when

VAROITUS; On erittäin suositeitavaa, etta Recovery-suodattingen poisto tehdään ainoastaan Recovery Cone-poistojärjestelmää käyttämällä.

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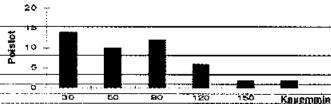
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	Recovery Filter System		Ипу Епаке протирымия,
	Rocovery-Sile зувівні		Må ikke rustorikseros. Omateritlares inte
	Recovery sundatus juriestelmä		Ez saz ster toida uudo/loen.
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	Expiration, Cuts		Sterile, non-pyroponic unitess participe is damaged or opened.
25	Date de pérenques.	/>® }\	Storile e non pirologoso nella contezione chiusa e intaffa.
	Yerfallsdohum.	. (88)	Storile et apyrogène sauf si l'emballage est endomenagé ou ouvert.
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	Udlobadalo Ulgingadalum		Secril och pyrogeniri påvida mie korpatikningen stadats eller öppnats
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ILOTE	Rumero de lot	(MRI)	ARI device.
ت ت	Chargeri-Box	(""")	Compatible F&H: No précente aucun risque en cas d'IRM, n'infortère pos avec et n'est pau affocté pau le fenctionnement d'un disposité d'IRM.
	Lotto mamero Múseuro de bat-	\sim	MRI-Kompatibel, MRI-sicher und sitch nicht den Betrieb einer MRI-Vorrichtung oder wird von
	Hümero de late Partiguamor		ihr bestirin Schnigt.
	Múmero do lota		Compatible can le procedure di PM: Sicure per la RM; non intelerace né è affette dal tun-
	Αρέγος Παρτιδές		zionamento degli strument di EM
	Lot-nutryte:		Compatible con Iffili: eggura para liftili y ni invertiere ni se ve ateccado por el funcionamiento de un aparato de IRM.
	Partinumner		Geschiki saas 1981: Veilig bij gebalik van 1981 en stoort de werking van het 1981 appassen
	Eriknumero		niet, en wordt eventrin door de werking van het apparaat beinvloed
	Assertion, See Instructions for Use		Competivel com FIM: Seguro om IRM a não lobertens nom é afectado polo tunci rovanento de
	Attention, you Mode d'emploi		un di spesitivo de Rid.
	Achtung, bittle Gebrauchs information beachten	-,	Συμβοτο με τις δικόμαρτις MRI Eiron ασφολές κατό τις δικόκοσεις ΜΑΙ και δεν περεμβάλλεται αυτο επιτροεμέται από τη λεπουργία της αγιστευής δι ζαγωνής MRI,
	Attenzione, la poere la informazioni per l'uso		MRU-komparibel: MRI-skisen og hvorsen påvirket oller pavirkes at brugen at an MRI-enhea.
	Atendión, Visorse las lextrucidanes de emplos		MRT-kompatibel: MRT-stiker och varken påverkas eller påverkas av fanktionen hos en
1 # C 1 1 2 2 2 2 2 2 2 2	Let op loss de Gebruikspanyliging		KRT-enordning.
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	Huomio, katus käytiöohjeel		accordance with accepted medical practice and applicable term and regulations.
			Mac en parde : Après usago, or produit est susceptible de présente un risque béologique.
STERILE EO			Veiller à le manipuler et à l'égiphes conformément aux pratiques médicales adoites et aux
	- Etérife à l'azydo d'éthytène	· · · · · · · · · · · · · · · · · · ·	light at régitementations an rigueur. Warnhimmeis, Nach dem Gebrauch kenn dieses Produkt eine biologische Gefahrengseite
	Kiri (Strysengarid utgeljapieri		dar stellen. Behandeln und entsergen Sie die Produkte entsprechend enerkennter medizinis-
	Servitazato mediante seciale di etiene Esteritizado con únido do stidono		cher Prazie und aller anwendberen Georites und Verschirtten.
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	Esteribizado com áxido de etileno		ernalifire ai sernal della ella prattus prodica communomento accestata e dello loggi e regolamenti viganti.
	Αποσταρωμένο με Οξείδιο του Αιθυλενίου		Ariso. Despues del uso, este producto puede ser un peligro triciógico en potencia.
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	Service at mod etyloroxid		apricusties.
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NON PYROUENSE	Apyragens		Adverténcia: Após utilização, ente produto pade constituir um risco biblógico potencial.
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	Pyrogeova: Apleggerise		HETERNA TIPPETTRIA HAN YOU'S ROYMONARS HOWARDS KIN HEND WONDON'S
	му пиретого Му пиретого		Advarset. Efter brug from dette produkt ungene en potentiel biologisk risika. Det skal
	Appropria		hånderes og bortskeltes i overensstermete med goddendt medicinsk praktis og med omlidende love og bestemmelser.
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